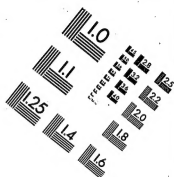
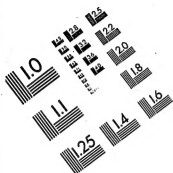




Association for  
Information and Image  
Management

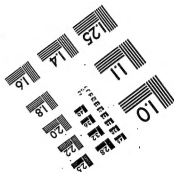
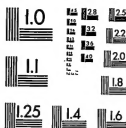
MS303-1980



Centimeter



Inches



# Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

PART II  
(1879-1886)

Thomas E. Jeffrey  
Microfilm Editor and Associate Director

Paul B. Israel  
Assistant Editor

Mary Ann Hellrigel  
David W. Hutchings

Douglas G. Tarr  
Robert A. Rosenberg

Editorial Associates

Leonard DeGraaf  
Joseph P. Sullivan  
Alan Stein  
Karen Kozak

John Deasey  
Barbara B. Tomblin  
Jacquelyn Miller  
Maria Antonakakis

Student Assistants

Keith A. Nier  
Assistant Editor

Reese V. Jenkins  
Director and Editor

Sponsors  
Rutgers, The State University of New Jersey  
National Park Service, Edison National Historic Site  
New Jersey Historical Commission  
Smithsonian Institution

University Publications of America  
Frederick, Maryland  
1987

Edison signature used with permission of McGraw-Hill Company.



**Thomas A. Edison Papers**  
at  
**Rutgers, The State University**  
endorsed by  
**National Historical Publications and Records Commission**  
18 June 1981

Copyright © 1987 by Rutgers, The State University

All rights reserved. No part of this publication including any portion of the guide and index or of the microfilm may be reproduced, stored in a retrieval system, or transmitted in any form by any means—graphic, electronic, mechanical, or chemical, including photocopying, recording or taping, or information storage and retrieval systems—without written permission of Rutgers, The State University, New Brunswick, New Jersey.

The original documents in this edition are from the archive at the Edison National Historic Site at West Orange, New Jersey.

**THOMAS A. EDISON PAPERS**

**Reese V. Jenkins**  
Director and Editor

**Thomas E. Jeffrey**  
Associate Director and Microfilm Editor

**Assistant Editors**

**Paul B. Israel**  
**Robert A. Rosenberg**  
**Kelth A. Nier**  
**Andrew Butrica**

**Assistant to the Director**  
**Helen Endick**

**Leonard DeGraaf**  
**Alan Stein**  
**Jacquelyn Miller**

**Research Associates**

**Douglas G. Tarr**  
**Mary Ann Hellrigel**  
**David W. Hutchings**

**Secretary**  
**Grace Kurkowski**

**Student Assistants**

**Joseph P. Sullivan**  
**Karen Kozak**  
**Granville Miller**

## BOARD OF SPONSORS

Rutgers, The State University of  
New Jersey

Edward J. Bloustein  
T. Alexander Pond  
Tilden G. Edelstein  
John Gillis

New Jersey Historical Commission  
Bernard Bush  
Howard L. Green

National Park Service, Edison

National Historic Site  
Roy W. Weaver  
Edward J. Pershey  
Smithsonian Institution  
Bernard Finn  
Arthur P. Molella

## EDITORIAL ADVISORY BOARD

James Brittain, Georgia Institute of Technology  
Alfred D. Chandler, Jr., Harvard University  
Neil Harris, University of Chicago  
Thomas Parke Hughes, University of Pennsylvania  
Arthur Link, Princeton University  
Nathan Reingold, Smithsonian Institution  
Robert E. Schofield, Iowa State University

## CORPORATE ASSOCIATES

William C. Hittinger (chairman), RCA Corporation  
Edward J. Bloustein, Rutgers, The State University of N.J.  
Cees Bruynes, North American Philips Corporation  
Paul J. Christiansen, Charles Edison Fund  
Philip F. Dietz, Westinghouse Electric Corporation  
Roland W. Schmitt, General Electric Corporation  
Harold W. Sonn, Public Service Electric and Gas Company  
Morris Tanenbaum, AT&T

## FINANCIAL CONTRIBUTORS

### PRIVATE FOUNDATIONS

Alfred P. Sloan Foundation  
Charles Edison Fund  
The Hyde and Watson Foundation  
Geraldine R. Dodge Foundation

### PUBLIC FOUNDATIONS

National Science Foundation  
National Endowment for the Humanities

### PRIVATE CORPORATIONS AND INDIVIDUALS

Alabama Power Company  
Amerasia Hess Corporation  
AT&T  
Atlantic Electric  
Association of Edison Illuminating  
Companies  
Battelle Memorial Institute Foundation  
The Boston Edison Foundation  
Cabot Corporation Foundation  
Carolina Power and Light Company  
Consolidated Edison Company of  
New York, Inc.  
Consumers Power Company  
Corning Glass Works Foundation  
Duke Power Company  
Exxon Corporation  
Florida Power & Light Company  
General Electric Foundation  
Gould Inc. Foundation  
Gulf States Utilities Company  
Idaho Power Company  
International Brotherhood of Electrical  
Workers  
Iowa Power and Light Company

Mr. and Mrs. Stanley H. Katz  
Matsushita Electric Industrial Co., Ltd.  
McGraw-Edison Company  
Middle South Services, Inc.  
Minnesota Power  
New Jersey Bell Telephone Company  
New York State Electric & Gas  
Corporation  
North American Philips Corporation  
Philadelphia Electric Company  
Philips International B.V.  
Public Service Electric and Gas  
Company  
RCA Corporation  
Robert Bosch GmbH  
San Diego Gas & Electric  
Savannah Electric and Power Company  
Schering Plough Foundation  
Texas Utilities Company  
Thomson-Brandt  
Transamerica Delaval Inc.  
Westinghouse Educational Foundation  
Wisconsin Public Service  
Corporation

**START**

**52**

## **A Note on the Sources**

**The pages which have been  
filmed are the best copies  
available. Every technical  
effort possible has been  
made to ensure legibility.**

## **PUBLICATION AND MICROFILM COPYING RESTRICTIONS**

**Reel duplication of the whole or of any part of this film is prohibited. In lieu of transcripts, however, enlarged photocopies of selected items contained on these reels may be made in order to facilitate research.**



THOMAS A. EDISON PAPERS  
A SELECTIVE MICROFILM EDITION  
PART II  
(1879-1886)

REEL 52

DOCUMENT FILE SERIES (DOC-12)

D-79-037 through D-79-042  
("Telephone - General" through "Telephone - Foreign - United Kingdom - Accounts")

**1879. Telephone - General (D-79-037)**

This folder contains correspondence and other documents relating to the domestic telephone business. Much of the material deals with carbon buttons that were damaged in transit. Other documents relate to patent ownership and to litigation involving Edison, Western Union, American Bell, and the Gold and Stock Telegraph Company. Much of the correspondence is by Sigmund Bergmann, who was manufacturing Edison's telephones.

All the documents have been filmed except for duplicate copies of correspondence.

OFFICE OF THE

Western Union Telegraph Company,

Phila Jan. 4 1879

L. L. Griffin Esq

Secy - Menlo Park N.J

Dear Sir:

Your favor of 2<sup>d</sup> inst, and  
bottle of Carbon duly received.

Please thank the Professor, & also Mr.  
Geo. Walker V.P. for their kindness in  
granting my request. I will not make  
use of it to their disadvantage, of course,  
but merely for experimental & amusement  
purposes.

Respectfully  
J. M. Dyer

ARTHUR STAGER, President  
EDISON M. BARTON, Sec'y

CORRECTION: H. BULLIS, Gen. Agt.  
CLARENCE EDGAR, Treasurer.

*Office of*  
*Western Electric Manufacturing Co.*  
*240 to 242 Spring Street. Chicago.*

JAN. 6, 1879

T. A. EDISON ESQ.,

MENLO PARK

N. J.

DEAR SIR:--

THE 250 CARBONS RECEIVED ON  
SATURDAY WERE IN VERY BAD CONDITION. WE  
HARDLY THINK WE SHALL BE ABLE TO GET OVER  
SIXTY GOOD ONES OUT OF THE WHOLE LOT. TWO  
BOXES CONTAINED ONLY FIVE GOOD ONES APiece.

YOURS TRULY,

*Edison M. Barton*  
SEC'y

Physical Laboratory,  
St. Francis Xavier College,  
44 W. 15<sup>th</sup> St.,  
New York, Jan. 8 '78.

Prof. T. A. Edison,

Dear Sir:

No matter for  
your kindness I sent your letter to  
the Cold & Hot Co. & I enclose you  
their reply. Please let me know  
when I should send to the  
Elec. Rm. Office for the ~~two~~ carbons.

Can you tell me if your new  
<sup>invention</sup> ~~receptor~~ has been announced by Prof.  
Barnet in Nature a few weeks ago  
is yet ready. If so where could I see  
it or procure one?

Very gratefully yours,

Samuel C. Lister, Jr.

[ENCLOSURE]

WILLIAM ORSON, President.  
GEORGE WASSER, Vice-President.  
Geo. B. FIERSTONE, Vice-President.  
Jas. D. TARD, Secretary.  
GEORGE B. BERRY, Superintendent.

GOLD AND STOCK TELEGRAPH COMPANY, S

SUPERINTENDENT'S OFFICE,

WESTERN UNION BUILDING.

P. O. Box 5645,

New York, Dec. 21, 1878

Rev. S. H. Fishbee S. J.

St. Francis Xavier College

49 W. 15<sup>th</sup> St. New York.

Dear Sir

Your favor of 14<sup>th</sup> inst is recd.

Mr. Edison is hereby authorized to furnish you  
two carbon buttons for experimental purposes  
and at your expense - He will do so on  
seeing shown this letter -

You will have to be exceedingly  
careful in handling them as they break  
very easily and are then useless

Yours truly  
C. B. Berry

Western Electric Manufacturing Company  
220-232 Kinzie Street, Chicago

JAN. 15, 1879

DEAR SIR: ---

WE SEND YOU TO-DAY THE BROKEN  
CARBON BUTTONS, TOGETHER WITH A LOT OF EMPTY  
BOXES WHICH HAVE BEEN ACCUMULATING ON OUR  
HANDS. IT MAKES QUITE A LARGE PACKAGE AND  
SO WE SEND BY FREIGHT.

YOURS TRULY,

E. W. BARTON, SEC'Y

T. A. EDISON ESQ.

MENLO PARK, N. J.

YOUTH GUERN, President,  
GEORGE WALKER, Vice-President,  
GEN. H. FROST, Secretary,  
JAS. B. BAIN, Secretary,  
GEORGE B. BURN, Secretary.

4537

GOLD AND STOCK TELEGRAPH COMPANY, P

SUPERINTENDENT'S OFFICE,

WESTERN UNION BUILDING.

P. O. Box 4195.

New York Jan 22 1879

N. A. Edison Esq  
Dear Sir,

I enclose a memorandum  
from Pittsburg complaining of breakage of carbons.  
I have also received today a letter from  
Wilmington N.C. saying that the six carbons  
sent to manager at that place were all  
broken when received. As they are liable to  
be broken in handling after opening the  
package, would it not be well to have a  
label with printed instructions accompany  
each. Please send 6 more to Wilmington N.C.

Yours respectfully,

Geo. Zeffert

Super

per R. W. Pope Df

Enclosure



Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company's TRANSMISSION and DELIVERY messages only on conditions, including its liability, which have been agreed to by the holder of the following message. The Company will not be responsible for any loss or damage to the message or to the property of the sender or of the receiver, and the Company will not be liable for any loss or damage to the message or to the property of the sender or of the receiver, and the Company will not be liable for any loss or damage to the message or to the property of the sender or of the receiver.

A. B. BREWER, Secy.

WILLIAM ORTON, Pres.

Date

Received at

To

READ THE NOTICE AT THE TOP.

Can you not give  
add such drawings of  
mould and such instructions  
for moulding as will  
enable him to make  
the mould and carbons  
himself

George Walker  
N.P.

Gold & Stock Telegraph Company,  
Western Union Building,  
New York, Jan 28<sup>th</sup> 1879.

George Watson,  
Vice President.

Salisbury Cong.

Monte Park, N. J.  
Dear Sir,

175 Gramme Lampblack  
packed in clean tin case  
that in another?

The substance of your offer to sell  
a mould for making carbon buttons.  
having been forwarded to Mr Ladd that  
gentleman now telegraphs that he will do  
without the mould.

Will you please have sent to  
"G. S. Ladd. Mch.  
San Francisco Cal"

By express, enough carbon for 500  
buttons; and will you write him the most ex-  
plicit instructions possible for guidance in  
using the carbon, and oblige, & please answer

Yours Respectfully

George Watson  
Vice President

250 500 175  
175 500 175  
175 500 175  
175 500 175

Feb 4, 79

Instructions for making  
Mould press for  
Carbon buttons

Sent to G. S. L. 22  
Feb 4, 79

J. A. Edison, 1

Press and mould —

Drawings full size —

The press can be understood by any mechanic from the drawing, as also the tracing of the mould; but in regard to the latter the following instructions should be followed in order to ensure success in bringing out the buttons.

Description:—

A is a cast iron plate, into which is screwed a steel Stud B; this Stud acts as a hinge for two steel jaws C, which open and close by the handles H, H. Also in this cast iron plate, is a recess to receive the steel disc C. This disc C has a shank in it, which extends up nearly half through the jaw. The steel jaws are held together by Studs E & F Rigid on one side by rollers I & J, these take the strain off the hinge when

the pressure is on the button. D is the plunger, which is made so long, that when the head is squeezed down on to the die it will leave .08 of an inch between itself and the face of the end of shank of C.

In making the above mould, the attention of the parties making it should be particularly called to the following:-

- 1<sup>st</sup> The hinge must be a perfect joint without any shake whatever.
- 2<sup>nd</sup> The hinged jaw must be hardened, or else the parts where the carbon is pressed will be recessed-in a little by pressure, and the buttons will not leave the mould.
- 3<sup>rd</sup> The shank C, and the plunger D must be fitted exactly, hardened, ground true, and their faces highly burnished, and perfectly flat.
- 4<sup>th</sup> The hole they fit into must be exactly .69 ( $\frac{11}{16}$ ) in diameter, it must be ground-out true, and highly burnished; the two ends of this hole can be rounded out a little.

- 5 When the jaws shut together, they must be a perfect fit, or else some of the carbon will be squeezed in between them.
- 6 It is essential that the button shall be made in the middle of the thickness of mould, as in sketch...
- 7 The hole being .69, and thickness between the plunger and face of end of shank of C .08, then (310) three hundred and ten milligrammes of the carbon powder should be used each time, and the plunger pressed down, till the head of it rests on the jaw.
- 8 The button must rest on top of the shank when the dies are opened, and in order to insure this, great care must be taken to have the hole bored so that one half (exactly) is in each jaw, and the hole well finished.
- 9 The button when left on the shank must not be handled with the fingers, but taken off by pushing it onto a little slip of paper with another piece

of paper, and keeping it on that slip till it is finally dropped into its place in the transmitter.

10 It will be noticed that owing to the high polish of the working parts; in damp days they condense moisture and the first 15 or 12 buttons do not come out good, but after this moisture has worked off the button will leave it intact.

11 The polished parts must never be touched by the hands, as the button will stick to the mould where there are finger marks.

CPatetelov.

[FROM CHARLES P. EDISON]

Feb. 74

New York Feb. 79

Dear Al

got the other movement in the telephone and it worked "Bang up," which shows that the worm is up. Bergman has started to make gatterns for the iron box and movements. He is not rushing things as much as I would like. I spoke to him today about putting another man on the job, as there ~~was~~ <sup>is</sup> only one now, but he thought he could not work to advantage, but we have clear work now and there is no reason why we should not have ~~some~~ 2 telephones done by latter part next week, will not be out Saturday unless we get gatterns done and I hardly think we will. I am hurrying it up as much as possible.

Charles



GOLD & STOCK TELEGRAPH COMPANY,  
WESTERN UNION BUILDING, NEW YORK.

Sole Manufacturers and Agents of the Edison Telephone and of the telephones and inventions of Gray, Dolbear and Phelps.

WILLIAM F. CHESTER,  
GENERAL AGENT  
FOR THE  
NEW ENGLAND STATES.

Boston, Feb. 19<sup>th</sup> 1879  
(at State House.)

T. A. Edison Esq.

Dear Sir:

We are making about 120 Edison Telephones here for the Amn. Speaking Telephone Co. and will have to send to you for the Carbon Buttons. Our experience is that it won't do to send them as the 24 were sent. If we send the transmitters to you would you put the carbons in and return to me? Don't you think that's the better way?

I enclose receipt for 24 Carbon Buttons. Am sorry you had so much trouble about the matter.

In your reply, please state your price to Ed. Co. for them.

Respty. Yours

Wm. F. Chester

Genl. Agt.

Boston Feb 19, 79  
Wm F Chester

Ordering 120 Carbon  
Buttons  
and Feb 20 - see letter book  
So sent Feb 21, 79  
per order T.H.E.

Feb 21 Recd Telegram from  
Chester saying "Had not  
ordered buttons."

Had Fritz Telegraph to NY  
to return them  
Buttons returned this  
Eve -

Wrote Chester in regard  
to the matter - Feb 21

GOLD & STOCK TELEGRAPH COMPANY,  
WESTERN UNION BUILDING, NEW YORK.

Sole Manufacturers and Agents of the *Edison Telephone* and of the Telephones and inventions of Gray, Dollbent and Phelps.

WILLIAM F. CHESTER,  
GENERAL AGENT  
FOR THE  
NEW ENGLAND STATES.

Boston, *Feb* 21<sup>st</sup> 1879  
(Old State House.)

Thos. A. Edison Esq  
Dear Sir:

I never intended my letter of the 19<sup>th</sup> to be construed into an order, I asked as to the best way of getting whole Carbon Buttons. When that <sup>is</sup> ~~was~~ decided upon, then I will get the necessary order from Mr. Walker. If my telegram does not reach you in time to stop the Carbons, I will see that the bill is properly approved. Of the 10 you sent me last, but four were perfect. Let that matter rest. I will not have any more sent the same way. If you will fill the cups I send I will get the order from headquarters.

Respy Yours

Wm. F. Chester

Genl. Agt

WILLIAM ORTON, President.  
GEORGE WALKER, Vice-President,  
GEO. D. THORNTON, Secretary,  
JAS. D. LEED, Secretary,  
GEORGE D. SCOTT, Superintendent.

GOLD AND STOCK TELEGRAPH COMPANY,

SUPERINTENDENT'S OFFICE,

WESTERN UNION BUILDING.

P. O. Box 5645.

New York, Feb 21 1879

J.A. Edison Esq  
Dear Sir

The diagram  
of Central Office connections sent  
you some days ago were wrong.

We will send you shortly  
a corrected copy, please  
destroy the ones received

Yours respectfully  
Geo. D. Scott  
Supt.

Western Union Telegraph Company,  
SUPPLY DEPARTMENT,

A. H. WATSON,  
Storekeeper,

6 Day Street,

New York, July 22 1879.

Thos. A. Edison

The U.S.W. of San Francisco  
wishes me to order of you to go  
with other goods at once "100  
Carbon Buttons" they mention that  
out of last lot ~~\$100~~ <sup>\$100</sup> only about  
a Dg. arrived in good order. They  
suggested putting them in value of 10  
or 20 each with much care. then  
placed in boxes in several boxes. I  
will put it in with light  
mercury paper. Your early  
attention will oblige,  
W. H. Mollan

Western Electric Manufacturing Company, of Chicago,  
Electro-Medical Department, Eastern Supply Depot,  
Dr. T. CLELAND, Agent.

267 BROADWAY, NEW YORK, *Feb 26 1879*

J.A. Edison Esq  
Menlo Park N.J.

Dear Sir:-

I sent by Charlie Edison for those telephones  
I left with you some months ago for Bachelor to test.

They have not come I presume Charley forgot about them.  
If not already sent please give them to the bearer who  
will bring them here.

The bearer (who happens to be here on business of  
his own) is a tester of our Edison telephones in  
Chicago, and I want him to talk with you about  
the carbons you make for us.

I also want him to see your new receivers  
- if even in a crude state.

Yours truly  
M. Barton

P.O. Box 4025

George Westcott,  
Vice President.

Gold & Stock Telegraph Company,

Western Union Building,

New York, March 5<sup>th</sup> 1879.

Thos. A. Edison Esq.

Menlo Park

New Jersey

Dear Sir,

I have your favor, undated, requesting  
return of carbon-button rings to be refilled,  
and sent to Supt. Scott, for testing. We  
have some of the buttons intact, and will  
place them in the hands of Mr. Scott, for  
his opinion, if you so desire.

Yours truly,

George Westcott  
Vice Pres.

The Gold and Stock Telegraph Company,

Ruf. Mch 5th 1879

A Edison Esq  
Menlo Park N.J.

Dr Sir.

The box of Carbons just received  
per express. Every one broken -

Shall I return the box and Contents to  
you -

Have requested Supt Scott to have you  
duplicate the order at once as need  
them badly.

Yours truly

R Newell

Send 20 more

Mar 6, 1879



ARTHUR STADLER, Pres.  
CHAS. H. DUNSON, Secy.

GEORGE H. BLISS, Gen. Agt.  
CLARA GRAY, Electrician.

Office of  
*Western Electric Manufacturing Co.*  
220 to 232 *Hoyne Street.* *Chicago.*

MARCH 6, 1879 .

T. A. EDISON ESQ.,

MENLO PARK

N. J.

DEAR SIR:---

WILL YOU PLEASE SEND ME THE  
FORMULA FOR MAKING THE CHALK CYLINDER FOR YOUR  
NEW TELEPHONE RECEIVER, AND OBLIGE.

YOURS TRULY,

G. E. FORBESNER

The formula would do you  
no good, as it must  
go through several  
processes; we expect  
to do away with the  
difficulty of making  
~~these~~ ~~these~~ cylinders  
then will furnish mould  
& formula - We shall furnish  
it by a model soon -

Manufacturers, Importers and Dealers in  
Telegraph Machinery and Supplies,  
Medical Apparatus,  
Burglar Alarms,  
House and Hotel Annunciators,  
Electric Light, Electric Gas Lighting,  
Electric Railway Signals.

Telephones rented & Supplies furnished.

## ELECTRIC MERCHANDISING CO.,

76 MARKET STREET,

CHAS. E. BLISS, President and Business Manager,  
W. E. ELLIOTT, Secretary and Treasurer.

Chicago, March 17th 1879

T. A. Edison. Esq  
Menlo Park  
N. J.

Dear Sir:

I have thus far failed  
to receive the rough diagrams  
of the Melophone which I  
wrote you about after  
leaving New York.

Respy

Chas. E. Bliss



S. BERGMANN & CO.,

No. 104 WOOSTER STREET,

MANUFACTURERS OF

Hotel and House Annunciators and Electrical Apparatus of all kinds,

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

SEND FOR CIRCULAR

New York, *March 13*, 1879

Prof. P. A. Edison,

Dear Sir:

Your favor to hand.  
Can furnish you with Carbon  
Telephones, but the Phelps I have  
not. As I am very busy just  
now, would it not be better get  
the "Double Crown Telephone" from  
the Gold and Stock. Awaiting your  
reply

Yours truly  
S. Bergmann  
*S.B.*

# Philadelphia Local Telegraph Company,

HENRY DENTLEY, President.

W. P. VREUTLAND, Secy & Treas.

HARVEY H. PERIN, Sup't.

HARRISON STILES, Manager.

Financial, Commercial and General News Department,

S. E. cor. Third and Chestnut Sts. & 107 South Third Street.

This Company will furnish as Correct GOLD and STOCK QUOTATIONS, GOVERNMENT SECURITIES, COTTON, NAVAL STORES, BRASSCOPPER, PETROLEUM, PROVISIONS, PRODUCE EXCHANGE, and GENERAL COMMERCIAL and FINANCIAL NEWS REPORTS, from all the principal Cities in the United States, and also from one to three daily from PARIS, LONDON, LIVERPOOL, ANTWERP, FRANKFORT (GERMANY), etc., etc., to its Subscribers as can be obtained by experienced Reporters, and will not be responsible for any transactions based thereon. We also furnish COMMERCIAL, SHIPPING and MARINE NEWS REPORTS from all the principal SEAPORTS in NORTH and SOUTH AMERICA, EUROPE, INDIA, CHINA, JAPAN, AUSTRALIA, OCEAN, etc., etc., as may be desired; as well as routes for transmission ABROAD BY CABLE, Registered, Telegrams at reduced rates.

Philadelphia, 3<sup>rd</sup> Mo 21<sup>st</sup> 1879  
M<sup>r</sup> H. Edison.  
Dear Sir:

I send herewith a map of Phila for your Mr. Griffith as per request of Dwight N.Y. ~~He is~~ <sup>He is</sup> not only a very fine a big he devoted so. I assume he wishes only one for ordinary reference.

I understood sometime since you wished me to try a couple of batteries you were going to send me. I have not yet seen them. Don't delay old friend for those Bell Telephone fellows are putting up this Blake Transmitter as it is called and they claim it has nothing but metallic contacts - No Carbon. It works good, I'm durned sorry to say for it worries our Edison business here. Hope to our rescue. Yours a durr. Butler



CHICAGO

Fire Insurance Patrol,

176 MONROE STREET,

B. B. Bullwinkle, Sup't.

Chicago, March 25<sup>th</sup> 1879

Dr. A. Edison

Dear Sir:

Inasmuch as you have all  
"grown so far" laughing over the "Water Telephone",  
would you be kind enough to return it to me  
with all of its modern improvements; as we  
have all become quite lean on this way,  
and think by having the water telephone  
back again, it will be the quickest and  
sweetest means of recuperation.

Yours Truly Respectly

B. B. Bullwinkle  
Supt. Fire Ins. Patrol  
Chicago  
Ill

MINNIE GREEN, President,  
GEORGE WALKER, 1 Vice-President,  
CARL H. PERCOTT,  
JAS. B. BROWN, Secretary,  
GEORGE B. BROWN, Superintendent.

# GOLD AND STOCK TELEGRAPH COMPANY, 5

SUPERINTENDENT'S OFFICE,

WESTERN UNION BUILDING.

P. O. Box 4105.


New York, March 24 1879

Edwin Emy

Memorandum

Dear Sir

I send you herewith a box I have had made with a view of packing Canton buttons, in such a way they won't break. Will you please try it & see how it turns out.

My idea is as follows - pack the buttons in the Centre holes of each 3 thus  with a disc of blotting paper between each button - the blotting paper disc will be punched out, just large enough to go into Centre hole - leave a vacant space at top of hole of 1/2 an inch - plug it with Cotton wool to act as a spring & shut down the lid on it. - thereby holding the buttons pressed in tight - when the buttons are taken out the forefinger is to

be placed in one empty hole and the thumb in  
the other & buttons & dice grasped between  
them & carefully lifted out - thus



The maker of the box has not made the finger holes  
large enough but that can be easily  
remedied if the principle proves correct -

Please test the idea & give me  
your opinion - and much ob

Yours truly

Edw. B. Hall  
Imp

Friend Edison, Phila 3<sup>rd</sup>/74

We rec'd the dozen  
Carbon buttons sent us  
last week per order of  
G.E. Co.

I got the London  
Times of March 17<sup>th</sup> and  
it has a splendid notice of  
your new Receiver - half a  
column or more. And we  
are entitled to a show on this?  
I would send you my copy of the  
Times but you may not have it in Butler.



MINOR GRAY, President,  
GEORGE WALLACE, 1st Vice-President,  
GEO. B. PROBERT,  
JAS. D. HALL, Secretary,  
GEORGE D. SCOTT, Superintendent.

GOLD AND STOCK TELEGRAPH COMPANY, *L*  
SUPERINTENDENT'S OFFICE,  
WESTERN UNION BUILDING.

P. O. Box 4195.

New York, April 2<sup>d</sup> 1879

*L. C. Edmund Esq*

*Merits Park N.Y.*

*Dear Sir*

We tested the brass tubes  
for carrying custom buttons & after handling  
it awhile we found the edges of all  
the buttons more or less broken -

It might stand a short journey but  
I am afraid it would not answer  
for a long one.

*Yours truly*

*Geo B Probert*  
*Sup*

Samuel Green, President,  
George Walker, Vice-President,  
Chas. H. Pigessery,  
Jas. D. Bain, Secretary,  
George H. Scott, Superintendent.

GOLD AND STOCK TELEGRAPH COMPANY, L  
SUPERINTENDENT'S OFFICE,  
WESTERN UNION BUILDING.

P. O. Box 4195.

New York, April 10 1879

Thos A. Edison Esq  
Dear Sir

The tube for Carbon buttons  
seems to fill the bill and I have  
no doubt is the best thing we can  
get. The only objection to it is  
the expense of making them -

What would it cost to make a size  
to carry 10 buttons and one to  
carry 25 buttons?

Yours truly  
Geo B. Steph  
Supt

No. 81.

**The Western Union Telegraph Co.**

**OF BALTIMORE CITY.**

**MANAGER'S OFFICE.**

Baltimore, Md., *Apr 14 1879*  
T. A. Edison Esq  
Menlo Park N.J.

Dear Sir,

The barbow buttons received in your new holder came in very good order. The second eighth and twelfth button had small pieces knocked out of the edges. Probably in lifting them out, <sup>they</sup> came in contact with the cylinder. They were not injured however.

Yours truly

*W. B. Price*  
Agent D. & S. Tel Co

Gen. S. Ladd, President.  
Jos. Gamble, Vice President.

M. Greenwood, Treasurer.  
Jos. J. Salin, Superintendent.

## Gold and Stock Telegraph Co.

San Francisco, California.

Office, No. 222 Sansome Street,

San Francisco, *April 28* 1879

*Rec'd by*  
J. A. Edison Esq.

*Marble Park*

Dear Sir

Your favor of the 15<sup>th</sup> inst to Mr Ladd to hand  
The hundred Carbon Buttons sent direct received OK.  
Those through the W. A. Bell Co not arrived yet

Yours truly

*Jos. J. Salin*  
Super

*Paid for 200*

*200*  
*or 200*

The Gold and Stock Telegraph Co.  
WESTERN UNION BUILDING,  
197 Broadway.

New York, May 1<sup>st</sup> 1879

Thos. A. Edison Esq.

My Dear Sir,

Mr. Drombly, my-  
self and perhaps Mr. Hauke  
are coming out to see you  
Saturday noon, if conven-  
ient to you, and will bring  
the Contract about Reciprocity

Please say by Telegraph  
if we may come, and Mr.  
Drombly hopes you will  
give him a little Lunch.

Very truly Yours  
Thos. A. Edison

6 May 22, 79  
Tracy R Edson in

Letter rec'd all right  
Come tomorrow  
Tracy Edson

GWH  
174 PM  
GWH

2 May 20th  
S Bergmann to No.

Do you make transmitters  
that fit on an arm

TH Edison

9508

no 1 H McKay T Coombly  
NY

May 5 '29

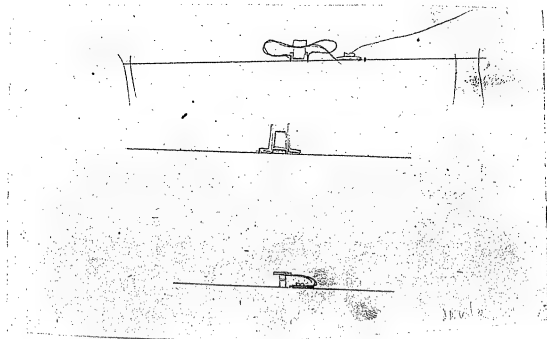
Please send messenger with  
one Phelps Call, one Crown  
one double Crown and one jenny  
Crown telephone, also one Bayman  
telephone, & the new switch  
for Experiment

27 NY

10 AM  
9 MAY

A A Edison





May 5 79  
My J. A. Carlson ms  
3:40 p

Telegram recd. - Can you make  
me one earlier than the others

H. McK. Twombly

S. BERGMANN & CO.,

No. 104 WOOSTER STREET,

MANUFACTURERS OF

Hotel and House Annunciators and Electric Apparatus of all kinds,

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

SEND FOR CIRCULAR

New York May 31 1879

My Dr Edison

How large a button do  
you want to use in the  
transmitter I am now  
making for you?  $\frac{1}{4}$  or  $\frac{3}{8}$ ?  
Will you have a Bell on  
both, or must you have a  
sounder on one? I have  
no sounders. What resistance  
do you want in the Bell

Yours Truly

S. Bergmann

$\frac{1}{4}$  inch - Want Regular

Telephone with Bell same as  
you no coils for G.T.S. only transmitter  
must have  $\frac{1}{4}$  button

What will you sell me

60 Induction Coil my size

60 Bells

60 Transmitter

60 Switch

60 Keys - put it Low down

May 19  
Wagon Co  
Telephoning  
and may 6 19

W. P. Rice, M.D.

Admiral General Marshal,  
George Waller, (also Post)  
Sir, W. P. Rice, (also Post)  
James B. Rice, (also Post)

*Gold & Stock Telegraph Company*  
**DEPARTMENT OF ACCOUNTS.**  
*Western Union Building.*

New York, May 6 1879.

Prof. Thos. A. Edison      Ments Park, N.Y.

Dear Sir

We have this day  
shipped to your address 5 instruments  
as per enclosed receipt. Please sign  
the same and return at once.

Yours truly

*W. P. Rice*  
*Indy*

3 NY 7  
TAE

may 7 79

520

Which do you think  
would be best to make  
the Chicago style of  
your Carbon transmitter  
Or Phelps style

G. B. Prescott

19th  
May

over

✓ of B. Prescott  
~~Prescott~~ NY

May 7 44

My tests show Chicago, best  
proper way to decide send

Six 6 of Phelps, Chicago,

Benjamin tillson down here  
for a competitive test only  
takes one day - send Expert  
with them —

Edison

30 DK

Expt  
of NY

Over

*Gold & Stock Telegraph Company,*  
DEPARTMENT OF ACCOUNTS.  
*Modern Union Building,*

Norvin Green, President  
 George Wilder, Vice Pres.  
 Geo. D. Barrett, Secretary  
 James D. Bogle, Treasurer

New York, May 9<sup>th</sup> 1879

Thos Edison

Chr

Lowell  
I have rec'd y<sup>r</sup> favor  
of the 8 Inst in re: to the last lot  
of telephones. As y<sup>e</sup> advised, we have  
sent them to P. H. Copps for y<sup>e</sup> say  
they will now be returned.

I find you are charged with  
One Reg. Engr. Carbon Set. Style 25.  
sent you Sept 3/78. J

Edison Carbon Transmitter with four arms  
delivered on order Oct 23/78. Price 24

What have you to say about the above? Were they for experimental purposes? Have you held a "post mortem" over them and been outraged by your scalpel? 2222

Yrs truly E E Hendrick  
Supt



OFFICE OF THE  
CELLULOID MANUFACTURING CO.,  
WESTERN UNION BUILDING,

JOHN A. BARTOW, Vice-President,  
M. C. LEFFERTS, Treas.

Room 22,

(P. O. Box 273)

New-York, May 13<sup>th</sup> 1879

Thos. A. Edison Esq  
Blairstown,

I duly rec<sup>d</sup>. Yours & Wm.

W. C. Hayes' letter as signified -

I also rec<sup>d</sup>. today the Draft of  
Contract about the New Relations,  
and the same is in W. Cary's hands  
to be written out for signature

I have to-day seen the Patent  
issued in April last for the "Fitch  
Carbon Transmitter", and have tried  
the Instrument - it seems to work  
well - but I suppose it infringes you  
does it not?

Yours Truly

Yes. Today I send *Jacoby Edison*  
to patent office as a  
model the so called Blake transmitter  
This will be a fine joke when I get a patent  
on the ~~instrument~~ <sup>same</sup> as they use it for I had it  
last long since a year ago -

S. BERGMANN & CO.,

No. 104 WOOSTER STREET,

MANUFACTURERS OF

Hotel and House Annunciators and Electrical Apparatus of all kinds,

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

SEND FOR CIRCULAR

New York May 14<sup>th</sup> 1877

My dear Balchster

Please send  
sketch for switches and other  
things I am to make for you,  
or sample - don't delay

Yours truly

S. Bergmann

OK

Sent by Johnson  
May 15<sup>th</sup> 1877

NY 44  
P.A. Edison  
ms

May 14 21  
11am

Western Electric say  
they cant get Carbons  
ordered for Telephones  
half fast enough. Cant  
you hasten them

300000000  
180000000 H McK I wouldly

741 ~~100000000~~ 741  
H McK I wouldly try  
Their orders came for 250 per  
week which have been  
filled ~~100000000~~ 741  
Yesterday Can ~~100000000~~ 741  
26 May 1901 Edison

6 New York 16

May 16 79  
8 PM

Edison ms

Send new style mouth piece  
or pattern in morning

Johnson

9 Paid  
Ty 4

5-

May 16, 79

E. H. Johnson  
Care Bergmann  
100 Croastles St.  
NY

We have mouth pieces  
all made and drilled  
for holes in Bergmann  
Telephone

Edison

135 H

805  
9 Ty

1212 Broadway, N.Y.C.

James B. Smith, President,  
George H. Smith, Vice President,  
John B. Smith, Secretary,  
James B. Smith, Treasurer.

Gold & Stock Telegraph Company,  
DEPARTMENT OF ACCOUNTS,  
Western Union Building.

New York, May 17<sup>th</sup> 1879

Thos Edison Esq  
My dear Sir

Accept my thanks for  
your favor of the 12<sup>th</sup> inst. - I shall send  
that telephone sent you Sep 23<sup>rd</sup> / 78 where  
you recommended. I mean so far as our  
accounts are concerned.

Now for the lot named  
in the enclosed order - "3 Ed. Transmitter,  
with jointed arms" which stand at against  
you.

Please return me the order as  
it belongs to my files to say what disposition  
you wish to have made of that charge.

In the spring season, house cleaning  
is in order, that's what I am doing.

Yrs truly

J. B. Smith  
Supt

1

Collins

May 20, 79

NY Herald *W. H.*

Did you procure the six  
Phelps Perry Crown Telephones  
from the Gold & Street Co

Edison

1525H  
7AM.  
9.16

3

NY

May 20 79

1146

Edison me

You ordered call balls fifteen  
thous sample measures thirty. Which  
want?

Bergmann

11 Pm  
ma

15-thous

2 27H 9 ma

1157 AM

5  
May 20  
Hon Geo Walker  
NY

Please telegraph me  
if possible early today the  
exact number of Telephone  
Exchange wires erected to  
New York ditto applications for  
wires not yet erected in Chicago  
and New York. I want  
this information to Cable  
to England today.

TA Edison

39.571,

1216  
4 mi

P.O. Box 495

Gold & Stock Telegraph Company,  
Western Union Building,

George Walker,  
Vice-President

New York, May 21, 1879

Mr. A. Edison Esq

My dear Sir

I should like much to  
have your wonderful memory?  
Mr. Gay tells me the contract sent  
out to you several days ago executed  
by the W. U. Co. There are a great  
many inquiries about it and want  
it here as soon as possible.

Prof. Anthony at Cornell writes  
urging me to let him have one  
by the 1<sup>st</sup> of June for a telephone  
lecture he is to deliver before his  
class. Can you do it?

Yours truly

Geo. J. Walker

Vice Pres.

We shall in all  
human probability  
deliver you 6 new  
Telegraph Company  
batteries the 3<sup>rd</sup> of June & perhaps before



N.Y. 22<sup>2</sup>  
Edison

May 22 79  
3 1/2 pm

Man. Park N.Y.

(We have no telephones  
yet Bell promised us some  
but they have not arrived  
What do you suggest

Collins

18 paid  
m g



WORKS AT ETRA, ALLEGHENY CO. PA.



*ESTD 1850*  
Etna Iron Works,  
Spang, Chaffant & Co.,  
Warehouse,  
66, 68, & 70 Randolph Street, Allegheny City.

BAR IRON PLATE IRON RAILS CUT & WOOD SPIKES LAP & BUTT WELDED TUBES EXTRA BOILER TUBES

THE ENTIRE PRODUCT OF THIS ESTABLISHMENT IS WORKED & HEATED IN ALL DEPARTMENTS WITH

NATURAL GAS.

BROUGHT TO THE WORKS THROUGH PIPES FROM THE WELLS, WHICH ARE NEARLY 1500 FEET DEEP & SITUATED IN BUTLER COUNTY 10 MILES FROM THE MILLS. HIGH TREATED WITH THIS PIPE OVERSEEN & CONTROLLED BY SKILLED TENDERS & HAS A UNIFORM STRENGTH & FINISH NOT TO BE FOUND IN ORDINARY GRADES OF IRON. THE SUPERIORITY OF NATURAL GAS USED IS ATTRIBUTED TO THE AMAZING HEATING POWER OF THIS NEW AGENT, AS WELL AS TO AN ENTIRE ABSENCE OF SULPHUR & OTHER IMPURITIES MET WITH IN ALL COALS & ASSURED READY BY IRON WHEN IN A HIGHLY HEATED STATE.

P.O. ADDRESS.  
PITTSBURGH, PA.

Pittsburgh May 22 1879  
Mrs. A. Edison esq.

My dear Sir:

I have been told that you in future propose to use Muscovite (only "Mica") for telephone discs - Let me advise you to buy the North Carolina Muscovite - I visited the mountains of N. C. for my health last spring and collected specimens for my cabinet of minerals, which have a most remarkable metallic ring when beat back and forth - I have samples of Muscovite from about twenty localities in my cabinet but no other seems so eminently metallic as this N. C. Muscovite - I have no interest whatever in either "Mica mines" or North Carolina - We use your telephone here between our works and our warehouse in Allegheny City -

J. L. Rorison esq.  
Dealer in Mica  
Parkersville,  
Mitchell Co.,  
N. C.  
can furnish good  
sample and prices of  
N. C. Muscovite

Truly Yours  
N. Spang,  
Etna,  
Allegheny Co.  
Pa.

ask for cost of  
100 sheets of this  
thickness

escape

NOTE: To prevent loss, please make remittances by Draft, Post-Office Order or Registered Letter.

**L. G. Tillotson & Co.,**

Manufacturers, Importers and Dealers in

**Railway and Telegraph Machinery and Supplies.**

Car Upholstery and Trimmings of every description,

L. G. TILLOTSON,  
E. S. GREELEY,

**No. 8 Dey Street,**

After May 1st, 5 & 7 Dey Street.

P. O. Box 1714.

*New York, May 27/89*  
*Mr A Edison Esq*  
*Mendota Park*

Dear Sir:

Enclosed please find  
a request from Rust  
Scott Holley & Stockell  
that you will furnish  
us with 1000 Carbon buttons  
for use in Telephones  
they are making for this Co.  
Please send 500 of them  
in 4 weeks from date  
when we will advise you  
in regard to shipping the  
balance. Some among the  
last lot ordered were  
broken. In such cases  
will you replace with

23 To prevent loss, please make remittances by Draft, Post-Office Order or Registered Letter.

**L. G. Tillotson & Co.,**

Manufacturers, Importers and Dealers in

**Railway and Telegraph Machinery and Supplies,**

Car Upholstery and Trimmings of every description,

L. G. TILLOTSON,  
E. S. GREELEY,

**No. 8 Dey Street,**  
After May 1st, 5 & 7 Dey Street.

P. O. Box 1714.

*New York,* \_\_\_\_\_ 187

Dear Sir :

Perfect ones if we  
return the defective  
ones?

Yours Truly  
*L. G. Tillotson & Co.*  
*Goodyear*

/ Enclosure

[ENCLOSURE]

62-To prevent loss, please make remittance by DRAFT, Post-Office Order or Registered Letter. 63  
E. G. TILLOTSON. E. S. GREELEY.

**L. G. Tillotson & Co.,**

Manufacturers, Importers and Dealers in

**Railway and Telegraph Machinery and Supplies,**

Car Upholstery and Trimmings of every description,

No. 8 Day Street, (P. O. Box 1714.)

In reply to yours

of \_\_\_\_\_

New York, May 22<sup>nd</sup> 1879

J. E. Edison Esq

Meads Park

Dear Sir

Please see Tillotson's 1000 Carbon Buttons, to enable him to fill our order for 1000 Telephone Buttons.

And always

Yours truly  
Charles B. Smith

500 wanted June 27<sup>th</sup>  
500 more to fill the order  
when ordered by L. G. T. & Co.

Broken buttons replaced at 1/2 price.  
Carbon from broken buttons must be returned.

TKC

S. BERGMANN & CO.,

No. 104 WOOSTER STREET,

MANUFACTURERS OF

Hotel and House Annunciators and Electrical Apparatus of all kinds,

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

SEND FOR CIRCULAR

New York, May 31, 1879

My dear Edison :-

I send you by  
express the balance - 53 Bells with  
switches, keys on. Had them ready  
yesterday and would have sent them  
were it not the Express office was closed.

You kept 18 Batteries and 60 pieces  
of the lot sent you, else they were  
mislaid by the Express people. If  
you intend keeping them let  
me know.

Yours truly  
S. Bergmann

✓ ~~Mr. Edison~~ June 2, 79

J. B. Brown 100 West 12th St. N.Y.  
Please make up the 20 electric signs  
for sixty five telephones

105H 906th copy

J. A. Edison

New York June 2nd 79

Dear Sir

We ship you this  
day 16 telephones complete  
will ship the remainder  
on Friday (to morrow)  
will send bill with last  
shipment. there are some  
parts over are they to  
be completed. please  
inform and oblige.

Yours. Respt  
J. Priest & Sons

199 West 21

WESTERN ELECTRIC MANUFACTURING CO.

62-68 NEW CHURCH STREET,

NEW YORK.

CHICAGO,  
285-292 N. LAKE STREET.

JUNE 5, 1879.

THOS. A. EDISON,

DEAR SIR:---

I SHALL BE AT MENLO PARK TOMORROW AND SHOULD  
IF CONVENIENT TO YOU LIKE TO MAKE A COMPARATIVE  
TEST OF THE DIFFERENT INDUCTION COILS AND TRANS-  
MITTERS NOW BEING MADE.

YOURS TRULY,

*B. C. Scribner,*



TELEPHONES.  
WESTERN UNION AND GOLD AND STOCK  
TELEGRAPH COMPANIES.

WILLIAM F. CHESTER,  
General Telephone Agent  
FOR THE  
NEW ENGLAND STATES.

Boston, June 7<sup>th</sup> 1879  
(Old State House.)

Thos. A. Edison Esq:  
Menlo Park. N. J.

Dear Sir:

Of the 50 Carbon Buttons  
which you sent me, but 18 were whole.  
The last lot <sup>(by this)</sup> arrived in such perfect  
order, that I abandoned my plan of  
of sending the transmitters to you, but  
this is rather dampening.

Respty. Yours  
Wm. F. Chester  
Genl. Agent.

54  
14  
32

DEPARTMENT OF DOCKS,

117 & 119 DUANE STREET.

ENGINEER'S OFFICE,

Port of Bacon Section,

New York, June 7<sup>th</sup> 1879

P. A. Edison Q. D.

My dear Sir,

Mr. Geo. B. Scott. Esq.

After viewing me to send you description of applica-  
-tion of Telephone to Submarine Diving - I did  
send you copy of same from Transactions of  
American Society Civ. Eng. some weeks ago -  
but it gives me much pleasure to comply  
with his request & your desire, and I therefore  
send by this mail copies of Engineering News  
& Trans. Am. Soc. C. E. The arrangement is so  
simple and what should surprise itself to any  
intelligent mind that I am surprised that every  
day but it should have been tried - I am very  
glad that I have been able to add one more to the  
list of applications of your transmitter - Trusting you may  
be somewhat interested, and with hearty wishes for your  
continued success I am very respectfully,  
Charles W. Raymond

# Philadelphia Local Telegraph Company,

HENRY BENTLEY, President.

W. F. WHEATLAND, Sec'y & Treas.

HARUEL H. FLECH, Sup't.

HARRISON STILES, Manager.

Financial, Commercial and General News Department,

8. E. cor. Third and Chestnut Sts. & 107 South Third Street.

This Company will furnish at Current Gold and Stock Quotations, GOVERNMENT SECURITIES, COTTON, NAVY, SUGAR, HEADLINES, PATROLING, PROVISIONS, PRODUCE EXCHANGES, and GENERAL, COMMERCIAL and FINANCIAL NEWS REPORTS, from all the principal Cities in the United States, and also from one to three daily from PARIS, LONDON, LIVERPOOL, ANTWERP, FRANKFORT (GERMANY), etc., etc., to its Subscribers as can be obtained by experienced Reporters; and will not be responsible for any transactions based thereon. We also furnish COMMERCIAL, SHIPPING and MARINE NEWS REPORTS from all the principal SEAPORTS in NORTH and SOUTH AMERICA, EUROPE, INDIA, CHINA, JAPAN, AUSTRALIA, OCEANIA, etc., etc., as may be desired; as well as receive for transmission ABROAD BY CABLE, HIGHLIGHTS TELEGRAMS at reduced rates.

Philadelphia, *6th* 8<sup>th</sup> 1879

Dear Friend:

As I am closing up the week I see it is the 8<sup>th</sup> of June and I fear I will not get my new Edisons in time to prepare for my Franklin Institute display at the next meeting and also to afford me time to get up the cuts for the July no. of the "Journal". I know how busy you are, but I just thought I would mention it as I would hate to disappoint them seeing that they are expecting it.

How are the new batteries getting on?

Kind regards to brother Batchelor.

Yours truly  
Henry Bentley

The Gold and Stock Telegraph Co.  
WESTERN UNION BUILDING,  
197 Broadway.

New York, June 10<sup>th</sup> 1879

Thos. A. Edison Esq.

My Dear Sir,  
I presume you know of the "Gower" patent or invention - which I understand consists of the substitution of an "Electric Whistle", for the ordinary Call Bell & apparatus - spoken of as an exceedingly neat, cheap and convenient signalling apparatus. It is offered for sale, and I should like to know what you think of it - Will not your New Telephone supersede the necessity of our buying it? -

And when can we have some of them to exhibit here?

Very truly Yours  
Thos. A. Edison

As a matter of fact, the "Gower" patent is a very old one, and has been used for many years.

P.O. Box 4005

Gold & Stock Telegraph Company,

Western Union Building,

George Wallcut,  
Vice President.

New York, June 10th 1879

Thos. A. Edison Esq

Menlo Park,

New Jersey

Dear Sir,

Please send two of your carbon  
letters to Jas. W. Engler, Washington University,  
St. Louis, Mo., collecting all charge from  
Mr Engler.

Yours Truly,

George Wallcut  
Vice Pres

Sending  
no charge  
T.A.E.

4x413 June 15, 79 4:30 pm  
C. H. Johnson  
m. Park.

Bring Edison's transmitter he  
promised to send us  
S. Bergmann  
Paris.



Guantown June 14/94  
Sunday P.M.

Dear Friend:

As I am expected to "read a paper" also at the exhibition of the new "Receiver" Wednesday night will you kindly let Mr. Sniffin put down for our paper - in your own words - any new points on it that you may desire or the general tenor of what you wish printed. As most likely the gist of what it means if not all will be printed in the Journal for July. I wish to give it your own language as nearly as possible - or your own ideas. When I come Tuesday I will probably not

have much time to talk  
about it as I wish to get  
the hearings - fully - of  
the inst itself so that I  
can give it the biggest  
kind of a send-off at  
the Institute. It is  
already advertised and  
public expectation is  
great. We shall have  
the largest house ever  
seen at this time of  
the year - ex. abscess,  
the Secretary thinks.  
Yours in haste  
Harry Bentley

Look on  
my hand  
of the 15th



Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been printed on the reverse of the following message.  
Errors are the sender's responsibility only for repeating a message back to the sending station for repetition, and the Company will not hold itself liable for errors or omissions in transmission or delivery of messages.  
This message is TRANSMITTED MESSAGE and is delivered by express *delivered* for the conditions named above.

A. H. BREWSTER, Secy.

WILLIAM ORTON, Pres't.

Dated *Philadelphia 6/18/99*

Received by *Wm. A. Edison*

READ THE NOTICE AT THE TOP.

*Franklin institute meeting Wednesday  
night shall I come  
over for receiver and  
some points Monday morning*

*Henry Beatty*

*1624*

Brooklyn NY June 14, 79  
Prof. Spier  
and by Batch  
June 15, 79

322 Franklin Ave.  
Brooklyn. N.Y.  
June 14, 79.

Dear Edison,  
In answer  
to yours of June 11<sup>th</sup>

I received this morning, I  
beg to say I remember  
about the Joseph Tube  
Arrangement perfectly and  
shall, of course, be happy  
to testify about the same  
when it may be useful  
to you.

Now I have a  
favor I want you to  
do me. I am going  
out lecturing for a few  
weeks, commencing on  
Thursday June 26<sup>th</sup> and

I very much wish to exhibit your Telephone Transmitter & Electromagnet Receiver which I have read about but have not seen.

Will you lend me a Transmitter & Receiver for this purpose. I understand it talks right out so an audience can hear it distinctly.

I shall feel much indebted if you will manage this for me. Please let me know soon, so I can put it on my Bill. If agreeable to yourself. My school viz: still goes on o.k. and on act. of two lectures I gave at the Corner

Just: last March I expect to do good viz: this Fall.  
Kind regards to Batch.

Yours faithfully

Robert Spruce.

J. A. Edison Esq.

Remember when I want to start. June 26.

Western Union Telegraph Company

George B Prescott  
Electrician

New York Daily 7 1879

Friend Edison,

Please give me the cost of the cell you sent me. Thanking you for working telephones, and call bells, and also the amount and kind of metals and chemicals contained therein. From my experiments with it this morning I should say that its internal resistance was too great to work your transmitter? What is your experience in this regard?

Yours truly  
Geo B Prescott

Fitch's transmitter seems to be clearly shown among your inventions on page 535 of my book.

It is one intended for call battery - we use one Bell telegraph battery for call owing to its electromotive force in work them everything was as wanted with try & give cost



My  
Jan 10/9  
July 10

My dear Edwin

Yours received. Prof Shorth transmitter  
was allowed June 8. 1879 & has not yet been issued.  
He is waiting till his foreign patents are obtained  
before having it issued. I have had the official  
Notice of Allowance in my hands for some days.  
Ellis & Pear is his attorney & he tells him  
he can get broader claims and he is going  
to appeal to the board. I think the lever prin-  
ciple applied to the telephones is new & and  
that it is valuable. What do you say?

Yours truly

Geo B Prescott

I can send you one to try if you wish.  
Prescott has two - Ask him to send you  
one.

# Philadelphia Local Telegraph Company,

HENRY BENTLEY, President.

W. F. WHEATLAND, Secy & Treas.

HARUKI M. YAMAGUCHI, Sup't.

HARRISON STILES, Manager.

Financial, Commercial and General News Department,

S. E. cor. Third and Chestnut Sts. & 107 South Third Street.

This Company will furnish as Current Gold and Stock QUOTATIONS, GOVERNMENT SECURITIES, COTTON, NAVAL STOCKS, SHIPBUILDERS, PERSONS, PROVISIONS, FISHES, EXCHANGE, and GENERAL COMMERCIAL and FINANCIAL NEWS REPORTS, from all the principal Cities in the United States, and also from one to three daily from PARIS, LONDON, LIVERPOOL, ANTWERP, FRANKFORT (ON MAIN), etc., etc., to its Subscribers as can be obtained by experienced Reporters, but will not be responsible for any transactions based thereon. We also furnish COMMERCIAL, SHIPPING and MARINE NEWS REPORTS from all the principal SEAPORTS in NORTH and SOUTH AMERICA, EUROPE, INDIA, CHINA, JAPAN, AUSTRALIA, OCEANIA, etc., etc., as may be desired; as well as receive for transmission ABROAD BY CABLE, Registered telegrams at reduced rates.

Philadelphia, July 11<sup>th</sup> 1877

Friend Edison:

I send by Mr Proctor's friend (Stark) mine. I had a drawing of it made and come with on the same to send you as per your telegram, but as you have it personally now, I have no more to say. We have not yet been able to get the satisfaction out of it than we have out of Phelps' new one or of the one known as Blakely. I would ask to see Phelps' also. It's very simple and very effective thing. But if people can get patents on these things after you covering the whole ground as it seems to me you have, I don't see what the Patent office is for or what is the use of getting a patent in the first place.

Yours Truly,  
Harrison Stiles

*The Central District and Printing Telegraph Co.*

OFFICE, FIRST NATIONAL BANK BUILDING,

Corner of Fifth Avenue and Wood Street,

T. B. A. DAVID,  
Pres't

Pittsburgh, July 12<sup>th</sup> 1879

My dear Edwin -

I wish you would send  
me one of your new receivers to  
exhibit here - I am exceedingly  
anxious to ~~make~~ make a good  
impression ~~with~~ your instruments,  
and want to give an early  
exhibition of your latest -  
you know my good will  
towards you, and that the  
best here will do you no  
harm. I say the least -

Yours truly  
T. B. A. David

Will or some can get

them made

Gold & Stock Telegraph Company,  
Western Union Building,

P.O. Box, 4925

George Wallcut,  
Vice President.

New York, July 14<sup>th</sup> 1879.

D. A. Edison Esq.  
Meads Park  
New Jersey.

Dear Sir,

Can you not send us some of  
your new receivers? I have been planning  
accounts of them in the news papers  
and from persons who have visited  
your factory; one gentleman reported that  
you had your entire force engaged in  
the construction of too for Europe. It seems  
to me that we should have the benefit  
of at least a sample, before the outside  
market is supplied.

Yours very truly,  
George Wallcut  
Vice Pres.

Wm



I will explain the assertion that I am  
making 500 telephones -

1st it is not true;

2nd I have only sent 4 unsatisfactory telephones  
to Europe;

3rd I made 50, but they were spoiled  
in trying to rush them out;

So that to commence again

I want to make them perfect

& just as soon as I get them

Out of my will deliver you  
models, the instruments of which

you hear reports from are merely  
experimental,

A. W.

to be  
recovered  
by  
the  
company

Room 22, 195 Broadway  
N.Y. July 15, 1879

My dear Mr. Edison,  
Where is the hitch that  
prevents our getting some of  
your new Receiving Mts.?  
Is it our fault?

Can you not make some for  
us, or put us in the way of  
having them made?

I ask for my private in-  
formation - and an  
early reply will oblige

Yours very truly  
Thos. A. Edison

NY July 15, 79  
Tony R. Edson  
New Haven  
and July 16, 79  
(letterbook)

We made a lot several styles  
in only of them found

Made 30 of diff kinds, threw them  
all away at 10¢ to 100¢ to myself

I want to be satisfied with work by  
it goes out ~~some~~ money afterwards  
Of course it's to my interest to get some  
made for 1¢ & 2¢ some as paragraphs

as long as I saw these were  
impt to I kept at it

Expect now in 2 weeks to deliver <sup>models</sup> into  
Atk will work right in on your ex. & for perfect  
satisfactory



Philad  
July 15-29  
Henry Bunting  
last July 1879

Dear Sir,

In sending you the  
mem the other day I failed  
to put the letter in, as I said  
therein from Dr. Morris. I

send it herewith.  
Mr. Short came here  
yesterday with note of intro-  
duction from Mr. Haggate to the  
quint of a trial of his  
micro-Phelps. He has no  
goes on a wire to my.

We were only able to converse  
to my by means of that in-  
-all old carbon button of one  
Edison. We could not with  
us, except <sup>with</sup> the same  
transmitter (Edison) We had on

the whole lot in ten  
and the only thing <sup>we</sup> got  
on the Micro from us was  
faint halloo. When we both  
went on the regular Carbon  
Transmitter I think I never  
heard my. as well before nor  
in us. One thing against the  
Micro was a faint battery  
coming out on the line which  
was probably from a cross.  
Phelps is going send me one  
another Micro tomorrow  
an improvement on the  
one we now have. We are going  
to try them again - all in  
a day or two - with a change  
also in shorts - So young  
man your grave is being  
dug, I expect, rapidly. Keep up  
your spirits tho. We will do  
all we can for you!! In the  
meantime we are doing the  
best we can for all the boys - But



Note Regarding the Electro-  
Chemical Receiver. I am  
fixing my paper for Aug. No.  
of International Brotherhood,  
and will, you please send me  
any new points on it which you  
have gotten since I saw you for  
me to incorporate and to have  
the artist illustrate. I need it  
soon as you can give it and  
will use to good advantage. I  
wish to make it nice and free.

I send herewith Dr. Brown's  
letter to me after my display  
of your Receiver. I have taken it  
down and just have a couple of dollars  
to support it in front so that the whole  
thing is open and we get the award from  
both sides of the house and clear and full  
it is of great advantage in that I have

had the metallic parts all fixed to  
iron tight - the spindle on which the  
chalk revolves particularly, and  
this makes the articulation much  
better. Everything runs tight but easy.  
I thought that as there was so  
much gained by having the  
shaft of the Phonograph run  
tight, in a measure, it would  
be of advantage in this case  
also - as it brings much of the  
jar and jingle and metallic  
sound is avoided.

We have worked it  
a hundred miles about as well  
as any good distance. The induction  
shows itself "big" but it does not seem  
to trouble the vibrations of other  
characters which we desire to pro-  
duce. The notes of an organ ~~and~~  
concert and violin are quite  
beyond description - more than any.  
I know you will excuse me for saying  
that I think the way we have the  
thing fixed now its general efficiency  
is considerably improved. I am doing  
considerable work in it and the  
people are just about dumb.  
With thanks for your kind I am truly, Sincerely

Nel

Aug 4, 74

S Bergmanin  
100 Wooster St  
ny

Come over on five ten train  
~~bring model Belf~~  
a Edison

OK  
3:30 pm  
9 ma



OFFICE OF  
EUGENIUS H. OUTERBRIDGE,  
23 SOUTH STREET,  
NEW YORK.

August 6<sup>th</sup> 1879.

T. A. Edison Esq,  
Menlow Park. N.J.

Dear Sir,

I have an inquiry from a gentleman in the provinces, who is much interested this matter, as to whether you anticipate, in the near future, the successful application working of the telephone across the Atlantic cable, for business & other purposes. I should consider it a favor if you would give me an answer to this query in order that I may write him on good authority.

Yours

Yours truly

Eugenius H. Outerbridge.

The present state of science will not permit the working of any telephone over any cable a greater distance than perhaps 200 miles - new discoveries must be made to permit its use on the Atlantic cable -

Office of  
**LORRIOT & OSTROM,**

Manufacturers of Clocks, Experimental Machinery, Models, &c.,

180 FULTON STREET, (Commercial Building.)

New York, Aug. 14 1879

Dear Sir

If you have that movement for  
Telephone ready, we can go on and make  
them in any quantity you wish, & as soon  
as you wish.

Should much like to hear from  
you on the subject.

Very truly

Yrs &c

Loriot & Ostrom

FROM THE LABORATORY OF

T. A. EDISON.

MENLO PARK, N. J.

U. S. A.  
Aug 12, 1879

Recd from T. A. Edison one  
Electric transmitter and one  
Chemical Telephone.

Chas. Ward Raymond

The Central District and Printing Telegraph Co.

OFFICE, FIRST NATIONAL BANK BUILDING,

Corner of Fifth Avenue and Wood Street,

T. B. A. DAVID,  
Pres't

Pittsburgh, Aug 16<sup>th</sup> 1879

Thank you very much  
Very dear Sir -

What is the prospect  
of our getting your new  
received - I am very  
anxious to try it at the  
earliest moment that we  
can have one that works  
to your satisfaction -

Yours truly  
T. B. A. David

Am making them now - deliv'd to G. S. today

OFFICE OF  
The Edison Speaking Phonograph Co.

President,  
GARDNER G. HUBBARD.  
Vice President,  
THOMAS A. EDISON.  
Secretary and Treasurer,  
E. H. JOHNSON.

Watch Hill R I

New York, 8/24 1879

My dear

I hear you folks have  
put your notes 'sell', on the shelf,  
to the old story, feeding pearls  
to swine, now is there any way  
to get it out of their clutches?  
I can pay a big sum of money for  
it. Let me see you contact  
about it. I've got a transmitter  
that I am sure ~~you~~ <sup>Bates</sup> can make  
work clear of Bell & your Carbon.  
We have got 'shorts' hungry!  
Johnson is making it go in England -  
I know he can if anyone can. This  
all at once. You a business

Buying same game at W  
H as did with Carbon  
It's no use they have to  
take it. B. has got an  
idea of a fix, why on  
but won't say anything  
about it

Match Hill R3  
Aug 24  
WHP  
Cord Schuyler

NORMAN CLARK, President,  
HUBERT WALKER, Vice-President,  
CHAS. H. PARSONS, Secy.,  
JAS. D. BURN, Secretary,  
GEORGE H. STOTT, Superintendent.

GOLD AND STOCK TELEGRAPH COMPANY, *P*  
SUPERINTENDENT'S OFFICE,  
WESTERN UNION BUILDING.

P. O. Box 4195.

New York, *Aug 28* 187

Prof Thos A. Edison  
Mendota Penn N.Y.

Dear Sir

I have written to the Western Elec  
Mfg Co at Chicago and New York, that  
all the Carbon buttons they need, and  
which we are to pay for, should be ordered  
through this office, so that we can send  
you the purchasing order & keep track  
of the quantities used -

In future therefore please  
charge us only with the buttons  
we order from this Office -

Please send me bill of any  
you have furnished from date of last  
bill up to the present time

Yours Resp,  
*Geo. H. Stott*  
*Sup*

OFFICE OF

# The Edison Speaking Phonograph Co.

President,  
GARDNER O. HUBBARD.  
Vice President,  
THOMAS A. EDISON.  
Secretary and Treasurer,  
E. H. JOHNSON.

New York, 8/31 1879

My Dear Mr. Hubbard

I don't know whether the time <sup>time to call</sup> your name Parker has been exhausted on your telephone or not, or what he has said. Don't me a line & say what if any part of course you will find me a price on - especially I speak of Italy. I think I can aid you in that direction.

From what Johnson writes they are having more talk than Alka. he says to see you before you make out your bill for the 500 notes I see that you do not put it to low!

OFFICE OF

# The Edison Speaking Phonograph Co.

President,  
GARDNER O. HUBBARD.  
Vice President,  
THOMAS A. EDISON.  
Secretary and Treasurer,  
E. H. JOHNSON.

New York, \_\_\_\_\_ 18

2  
that bearing in mind the fact, that they can't make them in England - & expect to pay for them, it will be just as well for you & me to make little something for your trouble in manufacturing!

How long has Gordon the entire independent, I mean a lay that will get more money out of it, than what he is now working it for.

We have over your telephones to Bell Tel' Co for Southern states! So you see it is now coming out as I supposed to start it, only hope for a big order. at least, that I can't have put in your reorder reorder

The Pinkies Tel matter was  
put in form of G & its in this  
hand news - found news  
The Tel into Europe sent as reply  
with him

Providence for new Tel party soon

NY Aug 31. 24  
WHP  
and Sept 22



Gold & Stock Telegraph Company.  
Western Union Building.

New York September 1<sup>st</sup> 1879

Dear Tom:

Please don't forget the  
osmium - iridium for relay points 73.  
Small.

went for got it  
- sent it as 2 weeks  
ago now

Y Y Y Y

Western Union Telegraph Company.

Clarence Cary,  
Attorney

New York, Sep 4 1899

My dear Mr Edison

Please inform me whether you  
will be in N.Y. shortly, and whether you  
will make it convenient to call on me  
at that time.

I want to get you to ex-  
ecute ~~some~~ <sup>a</sup> paper (in which you are  
per forma a party) relative to the  
assignment by the W.U. to the G.T. Co.  
of certain telephone patent rights &  
which the former Co. has acquired  
under assignment from you. The  
G.T. Co. assumes the payment of the  
royalties on these particular patents,  
and the W.U. gives you its guarantee  
that such payments shall be duly  
made. If not convenient for you to  
come here, let me know, and I will send  
the paper out to you by ~~the~~ <sup>an</sup> express.  
Very truly yours Clarence Cary

Get new West. May 1899. If you  
can send paper on - need for paper

Two 72 inch in. Hds  
all parts surrounding Bell  
P.M. Co. will find  
it will be a good thing  
to have them by making  
them they are light in  
weight



Sept. 8. 1899

Prof. Edison.  
Mauls Park, N.I.  
Sir:

I write to ask if any form of your  
telephones are for sale. Whatever  
electric conveniences I put up here must  
be at my own expense, as there are no public  
funds available. I want very much  
to substitute telephones for my Morse  
instruments. The only telephones I know  
of can only be rented. I don't approve of  
that plan, & moreover the charges are too  
high for my purse. — I will be obliged  
to you for any information you can give  
me.

I read with great interest the report of  
your remarks at Saratoga.

Respectfully Yours,

J. A. Hudson, Civil Engineer,  
(Member Am. Soc. of Civil Eng'rs.)  
(Fellow Am. Elec. Soc. etc.)

This communication being upon OFFICIAL BUSINESS, any answer in reply, in order to be promptly filed, is to be addressed as follows, viz.: "THE CHIEF SIGNAL OFFICER, U. S. ARMY, WASHINGTON, D. C."

WAR DEPARTMENT,

Office of the Chief Signal Officer,

DIVISION OF

Telegrams and Reports for the Benefit of Commerce and Agriculture,

Washington, D. C. Sept 8, 1879.

J. A. Edison Esq.  
New York, N. Y.

Sir:

I have to acknowledge receipt of yours dated 5<sup>th</sup> inst., and to enclose herewith a copy of letter acknowledging receipt of Carbon Buttons - sent you Aug 25<sup>th</sup> 1879.

Very respectfully,  
Wm. W. Smith

(Each)

1st Lieut. 20th U. S. Infantry,

Property & Disb'g Offr. Signal Service, U. S. A.

Acting Signal Officer and Assistant.

Also copy of letter received from you dated Aug 26<sup>th</sup> 1879, permitting the retention of the case until the Carbon Buttons are expended.

WAR DEPARTMENT,

Office of the Chief Signal Officer

DIVISION OF

Telegrams and Reports for the Benefit of Commerce and Agriculture,

Washington, D. C., Aug. 25<sup>th</sup> 1897.J. A. Edison Esq  
Meads Park. N.J.

Sir:-  
I have to acknowledge receipt of your favor dated 21<sup>st</sup> inst and to say that the Carbon Buttons came safely to hand. The Office would be pleased to retain the case until your tests are expended.

Very respectfully  
Signed, A. M. Hargate

1st Lieut. 20th U. S. Infantry,

Propry &amp; Dist'd Offr. Signal Service, U. S. A.

Acting Signal Officer and Assistant.

Official Copy

Working  
L. E. D. A. P.  
series.

This communication being upon OFFICIAL BUSINESS, any answer in reply, in order to be properly filed, is to be addressed as follows, viz.: "THE CHIEF SIGNAL OFFICER, U. S. ARMY, WASHINGTON, D. C."

Copy

From the Laboratory of  
 J. A. Edison  
 Menlo Park N.J.  
 Aug 26<sup>th</sup> 1879. Wm.

Dr. Fr: In reply to your favor of the  
 25<sup>th</sup> inst. You can keep the case  
 until the Carbon buttons are  
 expended.

Very truly  
 (Signed) J. A. Edison  
 E.

To the Chief Signal Officer Wm.  
 Washington D.C.

Official Copy  
 Wm. W. W.  
 J. A. Edison

NY Sept 9. 19  
M. H. Wilcox  
and Sept 15.

New York,  
Sept. 9. 1919.

J. V. S.

Dear Sir,  
I have reflected on the subject of telephonic stations for transmission of orchestral music, & am disposed to think very well of it. Before taking up the matter, though, I would be glad if you would inform me whether the transmission of ~~the~~ the music produced by a full orchestra has been tried and ~~was~~ has proved successful in practice. That the music of a single instrument can be so sent seems to me certain; but that the small many and various sounds of ~~the~~ fifty or more different instruments can be transmitted on one telephone

As to reproduce the sounds  
just as they appear in the  
concert room I am not  
quite clear. Can singing  
be transmitted with per-  
fect clearness? I would  
also like to know what  
difficulties will need to  
be provided against in  
transmitting concerts.

An early answer will  
oblige  
Yours respectfully,  
J. C. H. Wilcox

Box 3607, N. Y.

Any number of  
instruments can be played  
& each will be heard through  
the telephone -

I know of no difficulty  
at present of the chemical  
telephone is employed



S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Kinetographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, Sept. 11, 1879  
My dear Edison:

I send you by  
Express 157 lbs #17 silt, and 254 lbs #32.  
We shall the corner of this wire  
keep at 259 W. 27<sup>th</sup> St. City. N.Y.C.  
My Box-Maker's address is Cor.  
of 169<sup>th</sup> and 9<sup>th</sup> Ave.

In regard to the Cranks:- If  
you furnish me the Castings in  
one lot I can make them as  
sample returned, for 5 cents each.

Yours truly  
S. Bergmann

over last  
from by hand  
in note - only saw  
note sent get  
them just yet

Dr Geo Miles  
and Sept 20-94

Louisville Ky. Sep. 14/94

Dr. Thos A. Edison  
Dear Sir.

While attending  
the meeting of the A. G. A. P.  
at Saratoga I heard the wonder-  
ful results you attained with  
your Elect. Chem. Telephone  
being compelled to leave the  
same evening I could not there  
gain the information in person  
for which I now ask.

Can you supply me with an  
experimented Elect. Chem. Tel.,  
such as you used, for illustration  
in the University of Louisville  
also to be used in a free public  
lecture on telephones which I  
will give as one of a reg. course

of lectures on Physiol. subjects.  
I will explain & compare all  
the various telephones in use  
and will have them on hand for  
illustration.

What would be your terms  
for supplying me with your  
Elat Phon Tel & ~~Electric~~ Trans.

I refer as references to Messrs  
Smith & Netherlands of the  
N. Y. in this city - who will  
give me all their assistance  
You will oblige me with  
an early answer

Prof.  
C. Leo. Mus. Prof. Physics  
University of Puerto Rico  
San Juan, P.R.  
Sincerely,  
H.

J. C. REIFF,

*Confidential*

No. 52 BROADWAY,

New York, Sept 20<sup>th</sup> 1879

My dear G. A. D.

I it a fact that  
Wm. has condemned your  
Moto Telephone & declined to  
buy or use it?  
Would this still compel you to  
give it to them?

I gather that Bell people have  
seized the Wm. into a  
settlement.

When in Washington lately, I  
gathered some information, which  
may help you to defeat your  
opponents in Telephone interference  
to make a point for you true.

It is about this. I wish to see you  
I hear that Bell people think they  
can beat you on Carbon through  
Berliner.

Wm. J. C.

Washington Mills  
Concentrating and Smelting Works  
Chauncey Ballou & Co.  
Proprs in Silver, Lead & Cu.  
Georgetown, Wash. D. C.

Lake County Mills  
Concentrating and Smelting Works  
Chauncey Ballou & Co.  
Proprs in Silver, Lead & Cu.  
Leadville, Lake Co. Col.

Silver Home Mills  
Concentrating and Smelting Works  
Proprs in Silver, Lead & Cu.  
Franklin, Ballou & Co.  
Georgetown, Wash. D. C.

Leadville, Colorado. Apr. 20<sup>th</sup> 1889

Prof. Thomas A. Edison,  
Minto Park, N. J.

Dear Sir:-

We have the telephone in operation, now  
in Leadville but owing to my imperfect hearing  
I fail to get the full benefit of it, will you  
please inform me if you have any improvement  
that will increase the sound somewhat.

Very respectfully,

Franklin Ballou.

Mr. Edison  
Call him up  
& let him know  
the situation  
He will say  
that he will  
improve it  
as much as  
possible

No. 509

Gold & Rock Telegraph Company,  
Western Union Building

N.Y. Private Land Telegraph Department.  
G. L. Wiley, Superintendent.

New York, Sept. 22<sup>nd</sup> 1879

T. A. Edison Esq.

Mont Park N. J.

Dear Sir

Your favor this date, in which you say  
"you have none of the loud speakers on hand", is just  
received. - The importance of the exhibition at the  
American Institute Fair, both to the Company and as  
a means of advertising your invention, is such that  
I hope you will be able, either to make a pair of the  
loud speakers or to alter a pair of the regular kind  
and make loud speakers of them. - If you can do  
this, will you please say how soon we can have  
such a pair, and at what expense. -

Very Respectfully,  
G. L. Wiley, Supt.

Your name came over  
today & I told him  
if he would inform  
the electricians  
of how we would  
have him make a  
pair of speakers  
one of old and  
one new one to  
test them, good

File

My Sept 24<sup>th</sup> '69

My dear Edison  
I learned  
today who made your Carbon  
transmitter work I thought  
you might like to know, inasmuch  
as you thought you did it yourself.  
Ashley held a party today  
the Carbon telephone of the Prof of Quinfield  
would not work until Henry Bentley  
took hold of it & made it practical -  
This I thought too good to keep  
of the paper and the  
and is cabinet -

Yr h serv

P.O. Box 4885

George Wallace  
Vice-President

Gold & Stock Telegraph Company,  
Western Union Building,

New York, Sept. 23<sup>d</sup> 1879

Mr. A. Edison Esq  
My Dear Sir,

I understand Mr. Wiley has applied to you, on behalf of the E. & S. T. Co. for two of your extra loud Motophones for Exhibition at the Fair of the American Institute in this City,

If possible, I hope you will comply with this request, as the Public is much interested in this wonderful Novelty, and it would greatly extend your reputation to gratify the natural desire to see it.

All expenses will of course be borne by the Company.

Very truly Yours

Nancy R. Edison

We will ~~also~~ do as you request & furnish them ~~to you~~ for the fair & send our boys to fix it all up all



No. 521

Gold & Stock Telegraph Company,  
Western Union Building

*N.Y. Private Line & Telephone Department.*  
*G. L. Wiley, Superintendent.*

Rockwell Telephone Company,  
 Western Union Building  
 New York, Sept. 24 1879

T. A. Edison Esq.

Menlo Park N.J.

Dear Sir,

The Edison Chemical Receiver is to be exhibited on a wire from Broadway & N. 4th St., and from 23<sup>rd</sup> St. & Broadway to the Am. Institute Fair Building at 63<sup>rd</sup> St. - Our space is on the gallery floor - a much better location than the ground floor, but not well adapted to the purpose, being too large, too noisy, and too open. - The result of all trials here has been that the Chem. receiver receives better from the regular carbon transmi<sup>r</sup> than from the transmi<sup>r</sup> that accompanies it, and I am expecting to locate both the receivers at the Fair, and to talk to them from the carbon transmitters at the down town offices. So there any objection to such an arrangement? As the formal entry of the article is to be made tomorrow, will you be kind enough to telegraph me, on receipt of this, the name by which the chalk rec<sup>y</sup> is to be entered and known:

Very Respectfully, G. L. Wiley, Superintendent.

**THE WESTERN UNION TELEGRAPH COMPANY**

A. H. FLEWELL, Sec'y

NORYN GREEN, President.

Dated 11th Feb 1879

Revised of

T. Edison

on  
Minto Park

**READ THE NOTICE AT THE TOP.**

Have six transmitted. Can  
furnish more at short  
notice.

S. Bergmann

Ph  
Hoff

San Francisco 24. Sept 24  
7 pm

Edison

Is the matter now  
Chemical Telephone and  
how about Shorten gas  
Exhibition

John I. Sabine

13th Aug

Dept 75

John I believe  
can find  
will send on  
two Shortest  
two regulars in  
a few days  
78E,

12th Nov 2018

AGENCY

## The Edison Telephone,

ISHPEMING, L. S. MICH.

F. P. MILLS JR., AGENT.

Sept. 12 1879

J. A. Edison Esq.,  
Menlo Park N. J.  
Dear Sir,

I enclose a set of your  
New Telephone and would very much  
like to know when it will be  
ready for the market.

Mr. Edward of N. Y., in a letter recd.  
from him, says he does not know.  
A short note from you would be more  
satisfactory. I desire very much to  
trouble you and if one of your assistants  
will kindly write the note I would be  
much obliged.

Very respectfully yours

J. P. Miller Jr.

WESTERN ELECTRIC MANUFACTURING CO.

CHICAGO  
409 WEST WILSON STREET

62-68 NEW CHURCH STREET,  
NEW YORK

NEW YORK  
Dec 27, 1899

T. A. Edison

Mead Park  
A. J.

Dear Sir

What is the  
lowest price at which  
you will furnish us  
Carbon buttons for  
transmitters?

Yours truly  
G. M. Kelly

Can furnish them at our  
price from 1875/1880  
The present button 1880  
I suggest that we do not care about  
making them to do not make any  
I make them in that form as  
Carbon buttons in diameter  
the size to be about 1/2 inch  
at all times & low in  
relief on - is about 1/2 inch  
3/4 inch - is about 1/2 inch  
low in price - about 1/2 inch  
low in price - about 1/2 inch  
low in price - about 1/2 inch

as the  
carbon is  
the best  
material  
for  
transmitters  
as the  
carbon is  
the best  
material  
for  
transmitters



The rules of this Company require that all messages received for transmission, shall be written on the message blanks of the Company, under seal and subject to the conditions printed thereon, which conditions have been agreed to by the sender of the following message.

MAIN OFFICE, SOUTH EAST COR. THIRD & CHESTNUT STS.

Dated Thurs 9. 29 1879  
To Friends J. A. E.

As per agreement  
I put M.S. on East Night  
at 7 o'clock and kept  
calling until 9 - at inter-  
vals. I suppose, however,  
that you forgot about it  
being Sunday when we  
agreed to make ~~the~~ test,  
and as no doubt you  
were at ~~the~~ Church - or  
attending to matters of  
a similar nature, I free  
by excuse you.

Ready for you any night before  
Friday or Saturday, Mine H. B.

WESTERN ELECTRIC MANUFACTURING CO.

62-68 NEW CHURCH STREET.

NEW YORK.

CHICAGO,  
210-232 N. WABASH STREET

Sept 30, 1879.

J. A. Edison

Menlo Park,

Dear Sir:-

In view of yours of  
yesterday <sup>10 cents</sup> about buttons, why  
not send us some of the  
Fifteen cent buttons.

We don't want any of your  
10 cent buttons if the 15 cent  
ones are better.

Yours truly  
M. Dutton

Send a box of them to  
us at Chicago.

Will send box  
250 to Chicago

T. A. EDISON.

Menlo Park, N. J.,

Oct 1 1879  
1:45 PM

My T. A. Edison

What will be the price  
of the hundred Chemical  
Telephones John

1025  
1879

John N

Will give you estimate  
in a day or two

Edison

9 WFF

2 PM  
9 Ho

P.O. Box 483

Admiral General President  
George W. H. Hall  
Soc. R. H. Hall  
James B. Hall, Secretary

Gold & Shock Telegraph Company

Western Union Building

New York, October 1<sup>st</sup> 1879

Prof J. A. Edison  
Menlo Park N.J.  
Dear Sir

Please manufacture,  
for this Company, One hundred Motephones,  
of your latest and most approved style.

Yours truly  
George B. Prescott  
Vice President.

Please inform me when they are ready, for  
inspection, and I will send an inspector to  
Menlo Park to inspect them if this arrangement  
will be satisfactory to you.

G. B. P.

I will inform you when  
they will be ready &  
when to send inspector



Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and RECEIVES messages only on condition, holding the Station, which have been accepted by the order of the following names: *James A. Smith, President, and the Company, for the purpose of transmitting and receiving messages back to the sending station for comparison, and the Company will hold their title to any of the rights of the Western Union Telegraph Company.*

A. R. BREWER, Sec'y

NORVIN GREEN, President.

Dated New York 10/4 1879

Received at 1123am

To Edison

Minneapolis

READ THE NOTICE AT THE TOP.

Send sample pushings for  
receiving case

Bergman

W. H. H. H.

2  
12/6  
Mr. Kuesi  
Oct 6 79  
3 10  
Min. Oak

Don't order any castings  
Send me patterns all  
you can

S. Bergman  
We cannot take patterns  
away - we have already  
ordered your castings!  
Kuesi  
Tad  
Don't think

*Gold & Stock Telegraph Company,*

Western Union Building.

New York, Oct 8<sup>th</sup> 1879

P.O. Box 4625

*Norman Good, President*

George Wilkes. 1842.

Prof. H. A. Purcell

James D. Beale, Secretary.

Thos A Edison Esq

Meala Park

New Jersey.  
Hearin

Dear Sir,

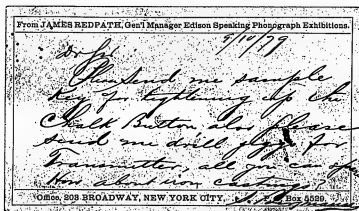
Your favor of the 30 of October giving the price of the hundred chemical telephones ordered by Mr Prescott (\$15.<sup>00</sup> each) was duly received. The Expenditure Committee to day authorized payment of the bill as soon as the telephones have been delivered and have undergone the necessary inspection.

Respectfully yours,

*J. O. Green*

[POSTMARK: OCTOBER 9, 1879]

[TO JOHN KRUESI]



John H. Weston.  
Greene H. Lowrey.  
Geo. Walter Stone.  
Chas. Francis Stone.  
Geo. S. Hamilton.  
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Stone & Stone  
Attorneys & Counsellors at Law  
No. 3 Broad St. New York.

October 13

1874

A. N. Edison Esq.

Dear Sir:

Mr Lowrey has a line of wire laid between his stable and his house atarrytown which connects two telephones which were rented from the Gold & Stock Company. Mr Lowrey expecting to be away from his house for a year or more had the instruments removed, but having now returned toarrytown he desires to replace the telephones and directs me to ask you if you can let him have two of your new telephones, called I believe microphones.

Very truly

Rockwell Kent



THE NEW HOTEL.  
GRISWOLD & SQUIDEN, PROPRIETORS.

St. Louis Oct. 16<sup>th</sup> 1877.

My Dear Sir,  
What do you think  
of the enclosed?  
I send you a notice for the  
best summer.

I will be in my 5<sup>th</sup> Hotel  
by Tuesday next.

Send me a line there

Yours  
Wm. H. H. H. H.

Mr. Eliza Gray, of this city, has arrived at a settlement of the various questions at issue between himself and the Bell Telephone Company and others interested in the telephone patent of which he is the inventor, and he will now set himself about extending his business and conducting his affairs. A vast amount of litigation

West" was  
the offer-  
ing to satisfy a  
need. A custodian  
of the up until the  
now known as  
the "Coke"  
where, when  
d, he, he  
through if one  
Coke County  
I want him

levied on, and of this month, or of West—fifty feet on and the lot at on street and west of Second

regular meeting yesterday afternoon at the office on the corner of Halsted and Washington streets. There were present Commissioners Woodard, in the chair, McGren, Rahita, Wood and Brannock.

A communication was sent from the attorney advising the Board to discontinue the proposed case, pending the legal determination of the Carter estate, who offered to pay one-half the assessment, and to appeal the case which had recently been decided against the Board.

The Chair remarked that Gen. Smith, the Board's attorney, felt confident that he would succeed in reversing the decision in question and that even as a matter of policy, calculated to deter others from bringing the assessment question before the Board.

The communication was received and placed on file.

The Secretary read the report of the Treasurer for the month of September, which showed that the receipts for that month had been as follows: Taxes and assessments, \$23,000; tax certificates redeemed, \$534.05; Town of West

cage (refunded), \$150; sundry items received by Secretary, \$373.33; total, \$30,583.77. The disbursements amounted to \$34,750.73; the balance on hand Oct. 1, \$3,011.04. The report was received and accepted.

The Commission on Improvements reported on the liability of certain parties who had planted trees, some of which had died within the time of their warranty. One of these parties, B. Nelson & Co., had, in February, 1878,

...and becomes des-  
...must take cogni-  
...on some people and  
...of the ordinary official to  
...with all the legal machinery

[illegible]

the main ideas of the paper, with the exception of the question of posting warning-cards in cases of scarlet-fever. He cited several cases where this posting had caused great hardship and loss of money. He believed there should be a wise discrimination, inasmuch as there

Dr. J. D. Enoch, Dr. Z. Iscull, Dr. S. J. Jones, and Dr. Paul Indacochea and the Commissioner Dr. E. Anderson left the chair to offer the following remarks:

Received, That it is the sense of the Chicago Medical Society that the efforts of the Health Commissioner of the City of Chicago to protect the health and lives of its citizens deserve its hearty endorsement, and that we hereby pledge to our Municipal Government our personal and professional support to these measures.

On motion of Dr. Strickweather it was decided to appoint at the next meeting a committee of five persons to act as a standing committee on State and city municipal affairs.

REPUBLICAN PRIMARIES.  
To the Editor of THE TRIBUNE.  
Syracuse, Oct. 8.—I see by the edition of the

Precinct Committees in several of the wards that a club is to be formed in each precinct of the wards, and that those committees are to send two delegates each to the County Convention.

WESTERN ELECTRIC MANUFACTURING CO.

220-232 KINZIE STREET,

CHICAGO.

NEW YORK,  
62-10 NEW GORCH STREET.

OCT. 17, 1870

T. A. EDISON

MENLO PARK

H. J.

DEAR SIR,---

WE ARE MAKING A DOZEN TELEPHONE SETS AFTER THE STYLE OF THE PAIR THAT I BROUGHT. WE SHALL NEED A DOZEN CHALK WHEELS FOR THEM; WILL YOU SEND THEM ALONG?

I HAVE TRIED THEM AND HAD THEM TRIED BY A GOOD MANY GOOD JUDGES. THE RECEIVERS CONTINUE TO WORK WELL, BUT EVERYBODY SAYS THAT THE REGULAR EDISON TRANSMITTERS, SUCH AS WE ARE TURNING OUT FOR THE GOLD & STOCK, ARE BETTER THAN THE TRANSMITTERS CONTAINED IN YOUR BOXES.

THEY ARE NOT ONLY BETTER IN BEING BETTER TRANSMITTERS, BUT THEY HOLD THEIR ADJUSTMENT AS WELL AS COULD BE DESIRED AND ARE ALL UNIFORM AND REQUIRE NO TIME IN TESTING AND ADJUSTING WHEN FIRST MADE. OUR PEOPLE NEVER USE A MINUTE TO EACH TELEPHONE FOR ADJUSTING.

IF THE NEW KIND WAS BETTER, WE SHOULD BE INCLINED TO CHANGE, BUT BEING THE STYLE WE ARE ALREADY MAKING IS THE BEST, WE SHALL NOT CHANGE UNLESS IT IS INSISTED ON.

OF COURSE, IF YOU REQUIRE ANY QUANTITY OF THEM TO SEND ABROAD, WE WILL MAKE THEM AS YOU SAY, BUT MY IMPRESSION IS THAT IF YOU MAKE A COMPARISON WITH THE INSTRUMENTS WHICH WE ARE MAKING, YOU WILL FIND IT AS I HAVE STATED.

YOURS TRULY,

*Edison*

H. J.

from with that you are why now must  
be really life offer from there we have  
been in hotel if you don't find you  
anyone can see our first super  
compact of any

When you get into small end down  
check holding our will fill up the  
checks

Any how many you are taking the  
kind of all had to put on points

hypothesis

hypothesis  
hypothesis



Office of  
Gifford & Bench,  
P. O. Box 1130.

New York, Oct 18<sup>th</sup> 1879

Prof. V. A. Edison.

Member, Par. R. N. S.

Dear sir:-

We are in receipt of advice from Mr. W. J. Wood to Cable, by way, by the mail just arrived.

The quote -

"Telephon - the have given this matter very careful consideration - and are of the opinion that it is unworkable in this city - The Corporation objects to additional parts being placed in the streets and

and the Government to any other, privately being made of them, so we must, very reluctantly, pass -

We need hardly say, that we regret this decision, as we had great hopes of a different result -

We are obliged to you for giving us the refusal of the Patent to be more fortunate in the next interest you may entertain to us -

We are, dear sir -

Yours truly,  
L. H. Gifford

OFFICE OF  
The Edison Speaking Phonograph Co.

President,  
GARDNER G. HUBBARD,  
Via President,  
THOMAS A. EDISON,  
Secretary and Treasurer,  
E. H. JOHNSON.

New York, 10-30 1879

My Dear E

On the basis the Bell  
and the Edison & Electro Music Co.  
Bell Co. - They realize, first, winning  
from telephone competition on their  
present brief business which their Ex'  
Ans' value is \$10,000,000. Second  
They get \$1 per annum on all the  
telephones up or put up hereafter -  
now up \$76,000 - giving them \$76,000  
cash this year. next year it  
will be 156,000 & next year  
to that 200,000, & may run up to  
500,000. now I don't want  
to reproach you for putting this money

OFFICE OF  
The Edison Speaking Phonograph Co.

President,  
GARDNER G. HUBBARD,  
Via President,  
THOMAS A. EDISON,  
Secretary and Treasurer,  
E. H. JOHNSON.

New York, 2 18

revenue into their coffers & thereby  
saving them from the ruin which  
threatened them, I merely want  
you to hound Bell till he  
gets up his, & gives me a chance  
to make a million for him -  
I to join secrecy on him till he is  
successful - Presently they get  
away with about half million  
dollars worth of stock which the  
public are crying for as far -  
& the Bell stock which I had offered  
you besides the money - is selling  
at \$800 per share!

Sup. me a line to the Hotel & say, if you will  
see to this - W. H. Fainter

[POSTMARK: OCTOBER 31, 1879]

From JAMES REDPATH, Gen'l Manager Edison Speaking Photograph Exhibitions.

My dear Edison  
When will I change  
the two (2) Dutch Bells the  
bored to you? Will have  
Twenty-five Telephones ready  
on Monday. Please send  
over Buffets.

Office, 208 BROADWAY, NEW YORK CITY, . . . P. O. Box 5529.

4 Myz Nov 3.  
63579  
Edison

Send mail tomorrow  
Sure with Chalks  
for twelve instruments

Pergman

9/11/15  
54

S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Micrographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, Nov. 12, 1879

My dear Edison

I send you to-day balance  
of first hundred telephones, and think  
they are all right. Will you please  
test them and send them at once, as  
I need some money very bad. I have  
spent \$7000 on stuff for this contract  
and not a cent received. Have to wait  
a not to-day and another on Saturday.  
Besides my pay day comes next Monday.

I am able to give you 100 every week,  
and you will please send me six  
chick buttons, as it is our turn to show  
a good telephone to parties that come  
around here. I can set them up all  
right. - I can not get over this week, but  
will be over when you test next lot.

Yours  
S. Bergmann

WESTERN ELECTRIC MANUFACTURING CO.

220 - 232 KINZIE STREET,  
CHICAGO.

NEW YORK,  
81-83 NEW CANAL STREET

NOV. 14, 1879

T. A. EDISON

MENLO PARK

N. J.

DEAR SIR, ---

WE HAVE YOUR BILL FOR CARBON  
BUTTONS, AMOUNTING TO \$270.00.

ONLY 1500 OF THESE BUTTONS WERE ORDERED  
BY US. THE REST WERE SENT WHILE THE GOLD  
& STOCK CO. WERE STILL FURNISHING BUTTONS  
AND THEY SHOULD PAY FOR THEM.

YOURS TRULY,

WESTERN ELECTRIC MFG. CO.

INCLOSURE

*Can't account this being wrong  
in the order of 7000  
Gold & Stock 7 ely Rev*

*The following were shipped to Western  
Electric at Rahway on Monday order  
of 400 per week before they ordered  
themselves*

*any 16 - 400*

*20 400*

*20 400*

*120 at 109-120*

WESTERN ELECTRIC MANUFACTURING CO.

CHICAGO,  
270-282 KINZIE STREET.

82-88 NEW CHURCH STREET,  
NEW YORK.

Nov 18, 1879  
J. A. Edison Esq.  
Menlo Park N.J.

Dear Sir:

We have got those chalk  
receivers done in Chicago all but  
the chalks.

Will you send out your latest  
chalk wheels with directions  
if directions are needed how to  
put them up. I reckon that  
using water to wet them it will  
not be necessary to do more than  
send the wheels out there. If they  
don't succeed they can come on  
and learn.

One dozen are needed.

Yours truly  
Chas. M. Patton

NORTH GREEN, President.  
GEORGE WALSH, } Vice-Presidents.  
CHAS. H. FARRIS, }  
JAS. D. REID, Secretary.  
GEORGE H. SCOTT, Superintendent.

GOLD AND STOCK TELEGRAPH COMPANY,

ASSISTANT SUPERINTENDENT'S OFFICE.

WESTERN UNION BUILDING,

New York, November 18<sup>th</sup> 1879

Thomas A. Edison Esqre  
Dear Sir

This is to remind you about the osmium-platinum for relay points. We are using Condensers now with considerable success; & I think we shall get rid of a vast deal of trouble by their use.

The next time you come to N.Y., I would like to see you (or Mr. Upton will do as well); if you will let me know when either he or yourself will be here, I think it will be as the advt. say "for your own advantage". Y<sup>3</sup>

Yours respectfully,  
Charles F. H. Small,

To the Chevalier Edison.

Faites mes compliments, si vous plaît, à  
M. Upton. C'est un ami de moi,  
Sm.



S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Phonographs, Telephones, Motographs, &c., &c.

NEW AND IMPROVED PRUD' HOMME BATTERIES A SPECIALTY.

New York, Nov. 20, 1879

My dear Butcher,

I send you today the  
wire order to buy my house, also one Bell  
in Hartford. This is the way, I think, they  
must be getting up, as this is means  
of furnishing the wire without bidding  
first. But then I cannot possibly  
make them for \$1 each as Edison  
thinks, as they cost one round. I will  
just ~~send~~ <sup>send</sup> at \$1.25 ~~completely~~ and the  
leads are a perfect quality. I will  
send you a perfect quality of leads.  
I wish you would send them  
to Mr. Edison and explain it to him.  
The magnet will certainly be sent  
concerned wire at that price — the pump  
is silk covered in regard to the  
offer is certainly of the best quality.  
I purchase from various ~~at~~ <sup>the</sup> ~~cost~~  
as brass <sup>or copper</sup> ~~with~~ another pump. I have  
to pay 40¢ per lb. but that is cheap.

Fillmore asked 80 cts for the same -

Brackets, Pins, Clutch and Pony Glass Insulators  
I could not do any better than I gave  
you figures on - perhaps can afterwards  
on larger orders, when I have plenty time  
to look around.

All the stuff except Batteries will  
be ready by Saturday - Wire packed to-day  
with clutch - Batteries will be ready by  
next Tuesday - When to pay for  
these things? I had to give Cash to  
get them low - The prices will be as  
follows:

	Cost price	Selling Price
Batteries	14.50 per set	16.50 each
500 Pony Glass Insulators	3.25 per hundred	3.35 per hundred
1000 Pins	2.25	2.40
1000 Brackets	2.25	2.35
500 Pony Glass Insulators	3.25	3.35
Batteries	14.50 per set	16.50 each
500 Pony Glass Insulators	3.25 per hundred	3.35 per hundred
1000 Pins	2.25	2.40
1000 Brackets	2.25	2.35

S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Incandescents—Photographs, Telephones, Microphones, &c., &c.

NEW AND IMPROVED RUUD'HOMME BATTERIES A SPECIALTY.

New York,

18

The price for switches I told Edison  
would be about \$25 they will certainly  
not be more than \$25 - will make  
them as cheap as I can -

In regard to Annunciators I do not quite understand what  
is wanted - You say "Edison thinks it  
best to use relay and bell with Annun-  
ciators" - I do not know from this whether  
I am to put the relay in or on the  
Annunciator box, and furnish them  
with a separate bell like one sent  
you to-day on bracket - You had better  
describe what is wanted a letter  
more fully, as I do not want to start  
on them, not knowing what is really  
required - In regard to figures, I  
can not give you them as I do not  
know what they will cost. Will put  
them as low as possible only allowing

a very small profit in them - I do  
not give figures as I might say too  
much from each there being a "get  
up." I never had anything to do with.  
~~I can let you know~~ of it the  
Board admitted & sent forward. I am  
a little better with hand written  
myself as I have doubts how time  
you to get. Ration & cheap. D

S. BERGMANN,

No. 100 WOOSTER STREET,  
MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Motographs, &c., &c.

NEW AND IMPROVED FRUD'HOMME BATTERIES A SPECIALTY.

New York, Nov. 24. 1879

My dear Batckeller :-

I send you relay  
Telephone by express with slight  
alterations on the relay, as I showed  
Mr. Kewee - As I was afraid they  
would stick to the magnets, I put  
a little weight on the pin -

I wish you would let me know  
at once if the whole instrument  
is satisfactory, also answer  
my letter of yesterday

Yours truly  
S. Bergmann  
Wf

School of Mines, Columbia College,

CORNER 40TH STREET & 4TH AVENUE,

New York, Nov. 26, 1879

My dear Edison

My assistant, Mr. Colby, is going to take the liberty of calling on you at your laboratory at Menlo Park, & I want to borrow if possible, one of those new telephones, such as Parker exhibited at Dr. Draper's, to show at my lecture in the course of a few days.

If you can possibly spare one, or put me in the way to get one, I shall be greatly obliged to you. Please let some one instruct Mr. Colby in the use of it.

Oblige Yrs Truly  
Chas. Chandler  
To Dr. Thos. Edison

P.O. Box, 4005

Gold & Stock Telegraph Company,

Western Union Buildings,

George Walker,  
Vice President.

New York, Dec. 3<sup>d</sup> 1879

J. A. Edison Esq  
Mento, Pa  
Dear Sir.

Your letter to Mr.  
Bauman relating to the filing  
of testimony in the Interference  
cases at the Patent office  
has received attention. Mr. Cary  
Mr. Poppleton and both Mr.  
Russell & Mr. Gifford and I  
is now understood that no  
portion of your case shall  
be shown to the Bell party  
without the special instruction  
of this Co. I understand  
that instruction has been  
given to proceed in the  
interference merely as

Though not entirely compromised  
with the Ball & Co. business  
made. Not any can give  
you full information  
on the subject.

Yours very truly  
George W. Adams  
V. T.

My Dec 28 1874

Geo W. Adams

no ans



School of Mines, Columbian College,

CORNER 49TH STREET & 4TH AVENUE,

New York, Dec. 8<sup>th</sup> 1879.

Telegraph him to  
send for the  
telephones

Dear Sir:

Prof. Chandler requests me to write and say that he would like to use two of your new loud speaking Telephones at his lecture on Wednesday afternoon. Perhaps you will remember that I visited your place Nov. 29<sup>th</sup> and saw Mr. Upton, who arranged the matter with me. He will know all about it.

Please have them reach me here at the School of Mines not later than 12 M. on Wednesday) - and I will see that they are delivered to you Thursday morning.

I enclose Prof. Chandler's letter of introduction which I did not deliver because I did not see you. By attending to this matter in time you will very greatly oblige the Professor - and also

Yours very respectfully,

C. Edwards Colby,  
Assistant.

Dr. Thos. A. Edison.  
Menlo Park N.J.

(over)

If not too much trouble a small diagram showing how the connections are arranged would be of great help to us. C.S.C.

W Dec 8 '9  
Edmund Kelly  
Ans. Dec 9

WESTERN ELECTRIC MANUFACTURING CO.  
62-68 NEW CHURCH STREET,  
CHICAGO, ILL.  
NEW YORK.

Dec 10. 1879

J. A. Edison Esq  
Menlo Park N. J.

Dear Sir:

As arranged with you yesterday I write for information on the following points relating to the Phonographs -

Addresses of parties who furnish  
Rubber bobbins for Induction coils  
Allics for diaphragms  
Brass rods & slides.  
Prices of above

As to the induction coils - I find that the one in the Phonograph you sent us has the following resistances -

Primary	140	Ohms	any series	1345
Secondary	116	"	102	9 1/2 or 140
Tertiary	37	"	106	6 1/2 or 1000 Ohms

I understand from you that the primary should be only 4 Ohms. Are the other resistances as they should be?

I should like the prices of the three works as you suggested yesterday -

Yours truly  
G. M. Phelps Jr.  
Supt.

WESTERN ELECTRIC MANUFACTURING CO.  
65-68 NEW HURON STREET  
NEW YORK

CHICAGO  
1100 NORTH STATE  
1100 NORTH STATE

Dec 20 1895

Transmitted 75

3 main 3 A.C.

Receivment to A.D. 1895

Complete with Ruler Laid 205

Intm. Appl. 1895  
- developed by the  
- developed by the  
- developed by the

Dec 20 1895  
3 main 3 A.C.

School of Mines, Columbia College,

CORNER 49TH STREET & 4TH AVENUE,

New York, Dec 10<sup>th</sup> 1879.

Dear Sir:

Your telegram was received a little too late for me to send down by the 9 A.M. train. I send Mr. Walter L. Brown for the telephones and hope it can be arranged so that he can get back in time.

Yours very truly

C. E. Colby

Assistant.

T. A. Edison, Ph.D.

Muelo Park N. Y.

Boston, Dec 13 - 1879.

Dear Sir: —

Would you have the kindness  
to tell me a few facts about the Telephone, viz. —

Which of the two instruments, yours and that of  
Prof Bell was first invented? What has happened  
before the public? but Bell was the first to  
bring before public is thinner first months on the west  
Which of the two do you consider the most  
practical instrument? You can ~~be~~ of ~~the~~  
when I ~~think~~ ~~the~~ ~~first~~ ~~one~~ ~~of~~ ~~the~~ ~~most~~ ~~practical~~  
instrument ~~of~~ ~~the~~ ~~most~~ ~~practical~~ ~~kind~~ ~~to~~ ~~see~~ ~~me~~ ~~in~~  
daily, so the Telephone likely to supplant the  
Telegraph? & No

I am fourteen years old and have been  
greatly interested in the Telephone, which in  
some measure will account for my boldness  
in thus writing to you. Hoping you will  
answer my inquiries and pardon my bold-  
ness, I remain,

Sincerely Yours

Harry F. Hunter.

To Prof J. A. Edison.

WESTERN ELECTRIC MANUFACTURING CO.

62-68 NEW CHURCH STREET.

NEW YORK.

CHICAGO.  
220-222 N. WABE STREET.

Dec 13/79  
J. A. Edison  
Mento Park N.J.

Dear Sir: Our Chicago people  
are waiting for some carbon  
buttons - We telegraphed  
you few days ago and  
again to day to send them  
some - I presume you  
have an order from them -  
If not, please consider  
this an order for five  
hundred, and send  
come at once to Chicago  
You have not already  
done so - Please reply

Yours truly,  
J. W. McKim

For the patent law, please make reference by Draft, Post-Office Order or Registered Letter. "GB"  
L. G. TILLOTSON, E. S. GREELEY

**L. G. Tillotson & Co.,**

Manufacturers, Importers and Dealers in

**Railway and Telegraph Machinery and Supplies,**

Car Upholstery and Trimmings of every description,

Nos. 5 & 7 Dey St., (P. O. Box 1714.)

In reply to yours

New York, Dec 16 1887  
T. A. Edison Esq  
Menlo Park

Can't spare them Mr. J.  
Western Electric can supply  
them for.

Can you sell  
us 2 Condensers of  
3. M. F. Capacity  
each divided into  
5 parts as follows  
5. 10. 20. 40. 50. ?  
If so for how much?  
If not who can  
please? Yrs Truly  
M. Sedgwick

Dec. 17, 1879

Mr. Edison &

Menlo Park N.J.

Dear Sir:

I find the Ansonia  
Bamblaphules did not make  
the brass slides & rods for the  
Motosphones - When I was at  
Menlo Park last week I indicated  
you & say that they were made  
by some Umbrella trimmer  
maker or something of the sort -

If you can let me know by  
return mail the address of  
the parties I shall be very  
much obliged -

Yours truly  
Geo. M. Thompson  
Supt.

G. P.

PENNSYLVANIA RAILROAD CO'S TELEGRAPH.

Received, \_\_\_\_\_ Office, \_\_\_\_\_ Operator, \_\_\_\_\_ o'clk. M. 12/17 1879  
From Philadelphia For Mr. McCann

All right will send pass  
between Menlo Park & Phila for  
man going put up telephone  
I am sure we are very much  
obliged to Mr Edison for his kind  
attention in this matter

J. M. C.

G. P.



Pennsylvania Rail Road Co.

New York Division

Office of Superintendent

James M. Cron,  
Supt.

Jersey City, N.J. Dec. 18<sup>th</sup> 1879

Subject: Introducing Mr. Henry Fonderosmith

Thos. A. Edison Esq.

Menlo Park N.J.

Dear Sir:

This will introduce to you  
Mr. Henry Fonderosmith, Supt. of Tel-  
egraph on the Philada. Div. Penna RR,  
and who also has charge of all the  
lines of the company in and about Phila-  
delphia.

He will give your man, who is going  
to erect telephone line for Mr. Thom-  
son, all the information that he may  
desire, and in fact make all the ar-  
rangements that are necessary for  
that service.

With many thanks for your kindness  
and courtesy in this matter, I am,

Yours truly,  
James M. Cron

Supt.

S. BERGMANN,

No. 100 WOOSTER STREET,  
MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Phonographs, Telephones, Micrographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, Dec. 15 1877

My dear Edison

The loan is from  
Prof. R. Spicer who wants the loan  
of a chemical Telephone to exhibit during  
his lecture on sound tomorrow evening.  
You will much oblige by letting him  
have one

Yours truly  
S. Bergmann  
H.B.

I lent Mr Spicer one and he  
said he could not work it  
and has not returned it  
"batch"

Blank No. 2

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the foregoing message. Messages not so accepted cannot be held in the sending station for transmission, and the Company will not hold itself liable for errors or delays in transmission or delivery of Completed Messages. This message is an UNREPEATED MESSAGE and is delivered by payment of the money, under the payment of a named charge.

A. H. HERWER, Secy.

NORVIN G. [Signature]

Date August 28 1870

Received of Thos Edison

*Send the two clock instruments to me at Richmond mark them personal*

*James M Ormice*

*1381*

*Hang up an order*  
*Hang up an order*

*Will = Ples see to this*  
*READ THE NOTICE AT THE TOP*

## Western Union Telegraph Company,

Cric Pa Nee 31 1879

Thos A. Edison Esq

Dear Sir - Can we procure from  
your establishment a pair of Carbons for  
Edison Transmitters. We have sixty in  
the City and are bothered a great deal  
by delay in getting "Repairs" from New York.  
I will remit immediately on receipt of  
your reply if they can be furnished us.  
Respy. Yours

Amos N. T. Co Ltd

per J. R. McKinstry Esq

J. R. McKinstry

Cric

From J. P. McKeesley  
Am. Dist. Tel. Co.  
Erie Pa. Dec 24/99

addressed to this Edison  
X-ray box by him

Asking Mr. Edison to  
sell them a "case" of  
Carbons

Copy returned to  
Prof. Edison - Jan 5/1900

Please fill the order for  
a "case" properly (24 Carbons)  
& cannot direct from  
the writer as he proposes

Prof.  
Geo. P. McKeesley  
JPM

New Museum 11

Friend Conway  
Dear Sir

Enclosed please find communication  
from Mr Robinson Manager Phila  
He says Prof Parker has spoken  
to Prof Edison about the apparatus  
& thinks can be got of Mr Edison  
soon he wishes it he would send  
it if possible with few please  
- say what can be done this pm  
& answer me tonight if you send  
1- please send as R. suggests

7 I will see that"  
Prof Barker gets it -  
through R. Curran

Resp. C. Barker

Am sorry to Miller  
for but its not - the  
this time

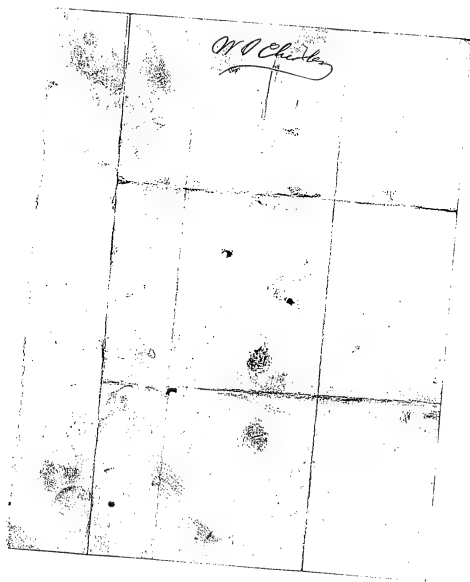
It is surprising that a single perfect carbon reached here. Great care was taken to protect the outside of the package, but very little, apparently, for the carbons.

Next time, please pack each button in a small pasteboard box.

Respectly

W. F. C.





(1929)

THE  
Gold and Stock Telegraph Company,  
LESSORS OF  
Speaking Telephones  
AND  
PRINTING TELEGRAPHS.

*Builds, Leases and Maintains Private Telephone and  
Telegraph Lines; Supplies General and Commer-  
cial News, by Printing Telegraph Instru-  
ments; and furnishes through the*

Merchants' Telephone Exchange

*Immediate Communication with the Leading Busi-  
ness Houses of New York.*

General Offices: Western Union Building,  
195 BROADWAY.

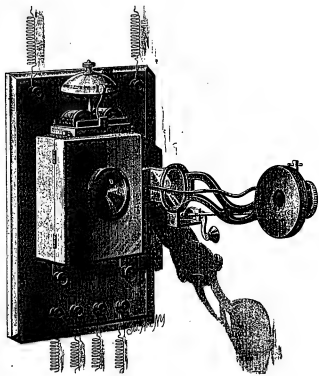
OFFICERS:

NORVIN GREEN, President.  
GEORGE WALKER,  
GEORGE B. PRESCOTT, } Vice-Presidents.  
JAMES D. REID, Secretary. R. H. ROCHESTER, Treasurer.

DIRECTORS:

Norvin Green,  
H. McK. Twombly,  
James H. Barker,  
Tracy R. Egan,  
George H. Prescott,

George Walker,  
Samuel F. Singer,  
Anson Sargent,  
Augustus Schell,  
Wm. M. Hill.



THE EDISON CHEMICAL TELEPHONE.

## THE EDISON CHEMICAL TELEPHONE

OR

### The Loud-Speaking Telephone.

#### The Latest Telephonic Invention.

It reproduces the voice at the distant end of the line with astonishing clearness and strength.

The transmitting Telephone (or that used by the person speaking), is the same as that heretofore used by this Company, and known as the Edison Carbon Telephone. The receiving Telephone (or that which reproduces the voice), is the last great invention of

THOMAS A. EDISON.

It differs in principle and construction from all previous inventions of its kind. In other Telephones the volume of sound depends much upon the strength of the speaker's voice. This instrument relies upon the voice only for the quality of the sound, the loudness being dependent upon simple mechanical power, which, by an ingenious device, is supplied at the receiving end of the line.

FOR INFORMATION APPLY TO THE

GOLD AND STOCK TELEGRAPH COMPANY,

Western Union Building.

THE  
EDISON CARBON TELEPHONE

IS THE

*Instrument giving the Greatest Satisfaction*

IN THE UNITED STATES AND EUROPE.

IT SECURED THE GRAND PRIZE AT THE PARIS EXPOSITION,

AND THE ONLY AWARD

GIVEN AT THE AMERICAN INSTITUTE FAIR IN 1878.

Of all the Telephones in general use, it is unsurpassed for clearness and loudness of articulation. Its power is derived from a battery, not from the voice itself, as is the case with all other forms. It is not necessary to shout into an Edison Carbon Telephone, and thus destroy the privacy of the conversation. The only rule is: "Speak clearly, and in an ordinary tone." The great drawback heretofore experienced to the introduction of the Telephone, especially in the great cities, has been the disturbing influences of neighboring telegraph wires, which, when in use, produce a rattling noise within the Telephone. This phenomenon, known as Induction, is effectually overcome by using the Edison Telephone. Its power is so great that it can be operated with perfect success on lines where no other form of instrument can be used. Parties who have found the ordinary magneto telephone of insufficient power for their use, are requested to note the fact that the Edison Telephone has never failed to give complete satisfaction under the most disadvantageous circumstances.

THE MERCHANTS' TELEPHONE  
EXCHANGE SYSTEM

Affords instantaneous communication with the leading firms and business houses in New York. Each subscriber is connected by a special wire with the Central Office. His line is therefore always ready for use. By notifying the Central Office, he may be at once connected with any other subscriber in the system, and transact his business with the same facility as if face to face with the party he is addressing; his conversation being overheard by no other subscriber.

The List of Subscribers already contains the names of 750 Prominent Parties and Firms.

It embraces Merchants, Lawyers, Brokers, Bankers, Railroad and Steam Ship Companies, and the leading representatives of nearly every branch of business. It cannot fail therefore to be of inestimable value if not a necessity to business houses of every description.

For full particulars apply to the

GOLD AND STOCK TELEGRAPH COMPANY,

WESTERN UNION BUILDING, N. Y.

## PRIVATE LINES

EQUIPPED WITH

## TELEPHONES,

OR WITH THE LATEST IMPROVED

### Printing Telegraph Instruments,

BUILT, LEASED, AND KEPT IN ORDER BY THE

### GOLD AND STOCK TELEGRAPH CO.,

On the most Favorable Terms.

The low rates at which Private Telephone Lines are furnished by this Company, have tended greatly to increase the demand for them. It employs only the best experts to build its lines and inspect their daily working. It controls the most important telegraph routes in New York, Brooklyn and Jersey City, and is prepared to furnish private communication across either or both rivers.

*For Estimates apply at the General Offices of the Co.,*

WESTERN UNION BUILDING.

## General and Commercial News Reports.

The Gold and Stock Telegraph Company, in connection with the Western Union Telegraph Company and with affiliated foreign and local companies, is enabled to gather information of every nature from the most important points in the United States and Europe. This information is furnished without loss of time to Exchanges, Boards of Trade, and private parties, by means of

### PRINTING TELEGRAPH INSTRUMENTS.

Instruments may be had on short notice that will report the following classes of information :

Quotations of Stocks.

" " Produce.

" " Cotton.

" " Petroleum.

Foreign and Domestic Financial News.

General and Commercial News Reports, including Sporting News, such as Horse Races, Boat and Yacht Races, Walking Matches, Base Ball and other games.

The time of day as obtained from the National Observatory at Washington is also furnished by means of electrical time indicators, in subscribers' offices.

For information apply to any Western Union Superintendent or Manager, or at the General Offices of the Company, Western Union Building.

(For the Use of General Agents in Ordering Telephones.)

## Gold and Stock Telegraph Co.

### New York Telephone Catalogue.

JAN. 1, 1879.

- STYLE NO. 26. PHELPS' BATTERY-EDISON SET. FOR PRIVATE WIRES, ON DESK CASE, WITH JOINTED ARM TRANSMITTER AND BELL CALL. Needs about three cells gravity battery at each office for line of four or five miles; has fork for one hand or crown telephone, with automatic switch. Bell magnet, 50 ohms. Calls worked by battery.
- STYLE NO. 2. HERGMANN'S BATTERY-EDISON SET. FOR PRIVATE WIRES, IN SQUARE BOX, WITH STATIONARY REVEL TRANSMITTER AND BELL CALL. Has forks for two hand or crown telephones; switches all automatic except lighting cut-off; uses about three cells gravity battery for line of four or five miles. Bell magnets, 50 ohms. Calls worked by battery.
- STYLE NO. 25. PHELPS' BATTERY-EDISON SET. FOR PRIVATE WIRES, ON DESK-CASE, WITH JOINTED ARM TRANSMITTER AND SOUNDER CALL. Has fork for one hand or crown telephone, with automatic switch. Sounder magnets, 100 ohms. Needs about three cells gravity battery at each office for line of four or five miles. Calls worked by battery. (No more of this style made now.)
- STYLE NO. 31. PHELPS' BATTERY-EDISON SET. FOR PRIVATE WIRES, ON DESK-CASE, WITH JOINTED ARM TRANSMITTER AND REPEATING SOUNDER. Same as style No. 25, except that the sounder has repeating points for extra local and bell. (No more of this style made now.)
- STYLE NO. 14. PHELPS' BATTERY-EDISON SET. FOR MESS-GE WIRES, ON DESK-CASE, WITHOUT CALL, WITH JOINTED ARM TRANSMITTER AND AUTOMATIC LOOP SWITCH. To be used where a Mess-ge set or other means of calling are available. Has two extra binding posts for the calling instrument to loop from.
- STYLE NO. 28. PHELPS' BATTERY-EDISON SET. FOR CENTRAL OFFICES, ON DESK SET; WITH JOINTED ARM TRANSMITTER, AND WITHOUT SWITCH ON CALL. No arrangers. To be used in Central Offices for switching into branch lines, to listen for messages. Has fork for one hand or crown telephone.

- STYLE NO. 12. BERGMANN'S BATTERY-EDISON SET. FOR CENTRAL OFFICES, IN SQUARE BOX, WITH STATIONARY REVEL TRANSMITTER AND WITHOUT CALL. For same purpose as No. 29, but has forks for two hand or crown telephones.
- STYLE NO. 33. PHELPS' BATTERY-EDISON SET. FOR EXCHANGE CUSTOMERS, ON DIRECT CASE, JOINTED ARM TRANSMITTER AND BELL CALL. Has forks for one hand or crown telephone. Hand switch to turn when using telephones. Bell magnets, 10 ohms, worked by calling battery at Central Office.
- STYLE NO. 34. BERGMANN'S BATTERY-EDISON SET. FOR EXCHANGE CUSTOMERS, IN SQUARE BOX, STATIONARY REVEL TRANSMITTER AND BELL CALL. Has forks for two hand or crown telephones. Has no switches to turn; all are automatic. Bell magnets, 10 ohms, worked by calling battery at Central Office.
- STYLE NO. 29. PHELPS' LONG LINE MAGNETO-EDISON SET. IN OCTAGON CASE, JOINTED ARM TRANSMITTER. Has magnets calling apparatus good for seventy-five miles. Fork for one hand or crown telephone. Needs only one or two cells local gravity battery for the transmitting apparatus.
- STYLE NO. 21. PHELPS' LONG LINE MAGNETO-EDISON SET. IN SQUARE BOX, WITH STATIONARY REVEL TRANSMITTER AND FORKS FOR TWO HAND TELEPHONES. Has magnets calling apparatus good for seventy-five miles. Needs one or two cells local gravity battery for transmitting apparatus.
- STYLE NO. 27. PHELPS' SHORT LINE MAGNETO-EDISON SET. IN OCTAGON CASE, WITH JOINTED ARM TRANSMITTER. Same as No. 29, except that magnets calling apparatus is good for five or six miles. Some of them will work up to eight or ten miles.
- STYLE NO. 16. PHELPS' SHORT LINE MAGNETO-EDISON SET. IN OCTAGON CASE, WITH BOX TELEPHONE INSIDE AND HAND TRANSMITTER ON CORD. No hand telephone is used with this set, the box telephone being used as a receiver. Needs one or two cells local gravity battery for the transmitting apparatus. Call good for five or six miles.
- STYLE NO. 18. PHELPS' LONG LINE MAGNETO-EDISON SET. (SAME AS NO. 16, WITH CALLING apparatus good for seventy-five miles.)
- STYLE NO. 20. PHELPS' SHORT LINE MAGNETO-EDISON SET. IN SQUARE BOX, WITH STATIONARY REVEL TRANSMITTER AND FORKS FOR TWO HAND TELEPHONES. Same as No. 21, except that the magnets call is good for five or six miles. Some of them will work on longer lines.
- STYLE NO. 3. PHELPS' LONG LINE MAGNETO COMBINATION SET. IN OCTAGON CASE, BOX TELEPHONE INSIDE AND FORK FOR ONE HAND OR CROWN TELEPHONE. No battery required. Magnets call will work seventy-five miles. Very good where there is not much induction from other wires.
- STYLE NO. 6. PHELPS' SHORT LINE MAGNETO COMBINATION SET. IN OCTAGON CASE, BOX TELEPHONE INSIDE AND FORK FOR ONE HAND OR CROWN TELEPHONE. Same as No. 3, except that the magnets call is good for five or six miles only. Some will work on longer lines.

- STYLE NO. 10. PHELPS' LONG LINE MAGNETO CALL-BOX. IN OCTAGON CASE, AUTOMATIC SWITCH AND FORKS FOR TWO HAND TELEPHONES. For use as calls when hand or crown telephones are used as transmitters and receivers. Will call seventy-five miles. No battery required. (Single switch call-box.)
- STYLE NO. 11. PHELPS' LONG LINE MAGNETO CALL-BOX. IN OCTAGON CASE, HAND SWITCH AND FORKS FOR TWO HAND TELEPHONES. Same as No. 10, except that the switch is worked by hand instead of being automatic. (Double switch call-box.)
- STYLE NO. 9. PHELPS' LONG LINE MAGNETO CALL-BOX. IN SQUARE CASE, WITH DOUBLE BELL AND FORK FOR ONE TELEPHONE WITH AUTOMATIC SWITCH. An old style of box which is now obsolete.
- STYLE NO. 7. PHELPS' SHORT LINE MAGNETO CALL-BOX. IN OCTAGON CASE, WITH PLUG SWITCHES AND FORKS FOR TWO TELEPHONES. For use as calls when hand or crown telephones are used as transmitters and receivers. No battery needed. Call will work about five or six miles.
- STYLE NO. 8. PHELPS' OLD STYLE MAGNETO CALL-BOX. IN SQUARE CASE, WITH SINGLE BELL. An old style now obsolete.
- STYLE NO. 1. PHELPS' DUPLEX TELEPHONE. A HAND MAGNETO TELEPHONE, to attach to the various sets.
- STYLE NO. 4. PHELPS' CROWN TELEPHONE. A HAND MAGNETO TELEPHONE, to attach to the various sets.
- STYLE NO. 5. PHELPS' DOUBLE CROWN TELEPHONE. AN EXTRA STRONG MAGNETO TELEPHONE, to hang against a wall or box.
- STYLE NO. 15. PHELPS' CARBON TRANSMITTER. WITH IRON HANDLE, to attach to sets with a cord.
- STYLE NO. 24. PHELPS' CARBON TRANSMITTER. TO FIT HIS JOINTED ARM.
- STYLE NO. 17. PHELPS' BEVEL CARBON TRANSMITTER. TO ATTACH TO HIS BOX SETS.
- STYLE NO. 13. BERGMANN'S BEVEL CARBON TRANSMITTER. TO ATTACH TO HIS BOX SETS.
- STYLE NO. 10. ALL EXPERIMENTAL INSTRUMENTS ARE CLASSED UNDER THIS HEAD.



## RECAPITULATION.

1. PHELPS' DUPLEX TELEPHONE .....
2. BERGMANN'S BATTERY-EDISON SET FOR PRIVATE WIRES .....
3. PHELPS' LONG LINE MAGNETO COMBINATION SET, IN OCTAGON CASE .....
4. PHELPS' CROWN TELEPHONE .....
5. PHELPS' DOUBLE CROWN TELEPHONE .....
6. PHELPS' SHORT LINE MAGNETO COMBINATION SET, IN OCT. CASE, BOX TELEPHONE INSIDE .....
7. PHELPS' SHORT LINE MAGNETO CALL-BOX, OCTAGON CASE .....
8. PHELPS' OLD STYLE MAGNETO CALL-BOX, IN SQUARE CASE, SINGLE BELL .....
9. PHELPS' LONG LINE MAGNETO CALL-BOX, IN SQUARE CASE, WITH DOUBLE BELLS .....
10. PHELPS' LONG LINE MAGNETO CALL-BOX, IN OCTAGON CASE. (S. S.) .....
11. PHELPS' LONG LINE MAGNETO CALL-BOX, IN OCTAGON CASE. (D. S.) .....
12. BERGMANN'S BATTERY-EDISON SET, FOR CENTRAL OFFICES .....
13. BERGMANN'S BEVEL CARBON TRANSMITTER .....
14. PHELPS' BATTERY-EDISON SET, FOR MORSE LINES, WITHOUT CALL .....
15. PHELPS' TRANSMITTER, WITH IRON HANDLE .....
16. PHELPS' SHORT LINE MAGNETO-EDISON SET, WITH BOX TELEPHONE AND HAND TRANSMITTER .....
17. PHELPS' BEVEL CARBON TRANSMITTER .....
18. PHELPS' LONG LINE MAGNETO-EDISON SET, WITH BOX TELEPHONE AND HAND TRANSMITTER .....
19. EXPERIMENTAL AND SPECIAL SETS ARE CLASSED UNDER THIS HEAD .....
20. PHELPS' SHORT LINE MAGNETO-EDISON SET, IN SQUARE BOX, NEW STYLE .....
21. PHELPS' LONG LINE MAGNETO-EDISON SETS, IN SQUARE BOX, NEW STYLE .....
22. ....
23. ....
24. PHELPS' CARBON TRANSMITTER, TO FIT JOINTED ARM .....
25. PHELPS' BATTERY-EDISON SET, FOR PRIVATE WIRES ON DESK SET, SOUNDER CALL .....
26. PHELPS' BATTERY-EDISON SET, FOR PRIVATE WIRES ON DESK SET, BELL CALL .....
27. PHELPS' SHORT LINE MAGNETO-EDISON SET, IN OCTAGON CASE .....
28. PHELPS' BATTERY-EDISON SET, FOR CENTRAL OFFICES, ON DESK CASE, WITHOUT CALL .....
29. PHELPS' LONG LINE MAGNETO-EDISON SET, IN OCTAGON CASE .....
30. ....
31. PHELPS' BATTERY-EDISON SET FOR PRIVATE WIRES, ON DESK CASE, REPEATING SOUNDER .....
32. ....
33. PHELPS' BATTERY-EDISON SET FOR EXCHANGE CUSTOMERS, ON DESK CASE .....
34. BERGMANN'S BATTERY-EDISON SET FOR EXCHANGE CUSTOMERS, IN SQUARE BOX .....

1879. Telephone - Carbon Button Orders (D-79-038) [not filmed]

This folder contains correspondence, account sheets, orders, and other routine documents relating to the carbon buttons used in Edison's telephones. The buttons were made at the Menlo Park laboratory and were supplied to the Western Electric Manufacturing Company and to S. Bergmann, the firms that were manufacturing the telephones. Some buttons were also sent to the Gold and Stock Telegraph Company, which leased Edison's telephone in the United States and Canada.

**1879. Telephone - Foreign - General (D-79-039)**

This folder contains correspondence and other documents relating to the marketing of the telephone in Canada, Latin America, Europe, Asia, and Australia. Included also are agreements with the Gold and Stock Telegraph Company and with Jose D. Husbands, Edison's agent in Chile.

All the documents have been filmed.

10

# EDISON'S PRESS ELECTRIC PEN

Address  
GEO. H. BLISS.  
Genl. Manager.

142 La Salle Street.

Chicago, Ill. 1899

T. A. Edison Esq  
Menlo Park. N. J.

22

Dear Sir,

One of the most responsible firms in Mexico, residents at the City of Mexico, is anxious to secure the Telephone agency for that Country. He will leave there about the 15th of Feb'y to come here & make a contract providing the field is open for him. His business connections & influence with the Govt. I understand are such as would make him a

very reliable party to handle the invention, and he would no doubt make a success of it. Please write me on receipt of this letter if you would like to have him come on & close a trade for this purpose, and greatly oblige.

Respy

GEO. H. BLISS

Gen. Mgr

Mon. Jan 18/99  
1000 ft  
Rush Jan 20/99

Montreal  
Jan. 18<sup>th</sup> 1899

Dear Edison

In reply to yours of  
15<sup>th</sup> inst. I have to say that I recd.  
(Money & Co.) from the Mon-  
triel Tel. Co. and signed release  
as per instructions recd. from  
them. I supposed the document  
had been returned to you  
at once or I would have written  
you before. Please accept this as  
my apology for not so doing.

The above occurred I think as long  
ago as the latter part of Novem-  
ber last and I understand the M.  
T. Co are introducing the improved  
Telephones here and which are Com-

considered a complete success.

With best regards I remain  
very truly yours &c.

J. H. Badger

2 Basic  
Agreement

between

Thomas, I. Edison

and

American Speaking Telephone Co.

Jan. 21. 1879.

This agreement made this twenty first day of January eighteen hundred and seventy nine by and between Thomas A. Edison of Marble Park, Middlesex county New Jersey party of the first part and the Bell and Street Telegraph Company a corporation organized under the laws of the State of New York located and doing business in the City of New York party of the <sup>second</sup> ~~first~~ part.

Witnesseth:

Whereas said party of the first part has invented certain improvements in speaking Telephones for which Letters Patent of the Dominion of Canada numbered 5026 were, on the seventeenth day of October eighteen hundred and seventy seven duly granted to him and whereas said party of the first part has also invented certain other improvements in speaking Telephones for which he has applied or is about to apply for Letters Patent of the Dominion of Canada, and

Whereas the said party of the second part is desirous of acquiring all the right title and interest of said party of the first part within the Dominion of Canada in and to said inventions and improvements in speaking Telephones and in all letters patent which are or may hereafter be granted for the same:

Now for the consideration hereafter mentioned the party of the first part hereby agrees to execute and deliver to the party of the second part good and sufficient assignments vesting in said party of



the second part the whole right title and interest of every character in, to, under, and connected with said Letters Patent granted and to be granted.

In consideration whereof the party of the second part covenants and agrees as follows.

First. To pay all fees, charges, and expenses of every character whatsoever which shall be necessary to procure and maintain any Letters Patent of the Dominion of Canada granted or hereafter to be granted for the inventions of the party of the first part relating to speaking Telephones.

Second. To cause the manufacture of the said patented inventions of the party of the first part to be commenced and to be continuously carried on within the Dominion of Canada at such time and in such manner as to comply with the requisitions of Section XXVIII of the Patent Act of 1872.

Third. To make full and true returns [during the life time of said letters patent] to the party of the first part, or his duly authorized representatives on the first day of December in each year of all sets of speaking Telephones apparatus constructed under said Letters Patent which have been put in operation by them during the twelve calendar months then last past, it being understood that each set so called shall consist of One (1) transmitter, One (1) receiver, and one (1) call or alarm. And if said party of the first part shall not be satisfied with any such return, then he shall have the right, either by himself or his attorney, to examine any and all of the books of account of said party of the second part, containing any items, charges, memoranda or

information relating to the manufacture, sale or lease of said patented invention in the Dominion of Canada, and upon request made, said party of the second part shall produce all such books for said examination.

Fourth. To pay to the party of the first part a royalty of one dollar in gold per annum for each and every set of telephonic apparatus leased, operated, or used under said letters patent within the Dominion of Canada during the life time of said letters patent, the whole of said royalty for each year being due and payable within thirty days after the regular return day as hereinbefore provided. And in case said party of the second part shall sell any set or sets of such telephonic apparatus to the general public it shall have the right to commute the royalty of one dollar per year upon such set as hereinbefore provided, by paying to the party of the first part in lieu thereof the sum of five dollars for each apparatus so sold, and after such payment has been made, all liability either of the party of the second part or of the purchaser of such apparatus for the payment of any further royalty to the party of the first part shall wholly cease.

Fifth. To stamp or engrave the year of the date of the patent upon each patented telephone put in use by them in the Dominion of Canada under the said letters Patent in such manner as to fully comply with the provisions of Section XLIX of the Patent Act of 1872.

Sixth. To execute and deliver to the party of the first part a good and sufficient license vesting in him and his assigns the sole and exclusive right to make, sell, and

use and vend to others to be used for any uses and purposes not distinctly connected with or applicable to telegraphic transmissions any and all of the said patented improvements, and more particularly that part of the same relating to the phonograph or apparatus for recording articulate sounds; to the full end of the term for which the hereinbefore mentioned letters patent are or may be granted.

In witness whereof the parties above mentioned (the said Gold and Block Telegraph Company by its President) have hereunto set their hands and seals the day and year first above written.

Thomas A. Edison

The Gold & Block Telegraph Company

By *George W. Mason*  
Vice President

Attest  
*J. B. Allen*  
Secy.

Montreal

Jan 22<sup>nd</sup> 1879

Dear Edison

Yrs. of 20<sup>th</sup> inst. recd.

If I can in any <sup>way</sup> further your  
interests here, either directly or in-  
directly I shall certainly do so.

Any items of information I may gather  
from time to time bearing upon the  
matter referred to, will be duly  
transmitted to you, and you are  
at liberty to communicate with me at  
any time relating thereto, with imple-  
cit confidence.

Don't let this be known or parties here  
might be sorry of me.

With the fullest regard I  
remain Yours. J. H. Badger

NY Jan 24/79  
Geo Walker  
Regarding Canadian  
pat for telephone

GOLD & STOCK TELEGRAPH CO.  
WESTERN UNION BUILDING,

G. WALKER, Vice-Pres.  
P. O. Box 4951.

New York, Jan 24 1879

Dear Sir,

We conclude  
to take the Canadian  
-patent directly  
to the U. S. Co, as  
our contract with  
the Telephone Co  
permits us to do.  
We wish you  
therefore to expedite  
or return any the  
papers Nos 1 & 3

to return no 4, 4.

to cancel your  
signature on a  
return no 5.

Can you send

Ladd some

carbon with

moulds & other

directions for

making into

bottoms I have

return his

telegram enclosed!

Yours truly

J. M. Ladd  
"YD"

July 24 '19  
2:30 PM

2  
London  
W. M. G.

Edison ms

Persons negotiating for Colonial  
telephone patents desire  
purchase English don't  
know your arrangements  
with Gouraud are you  
free receive offers during  
few days I claiming nothing  
English proceed you settling  
with Gouraud Puskas

33 157  
M. G.

2

July 24, 19

Puskas  
London

Have given Gouraud  
full powers England  
only

9 Minlo Park 24<sup>th</sup>

2 46 PM  
E. G.

P.O. Box 4835

Gold & Stock Telegraph Company,

Western Union Building,

George Walker  
Vice President

New York, March 1st 1879

Thos. A. Edison Esq.

Menlo Park

New Jersey.

Dear Sir,

I send you herewith the licence which  
has been prepared by Mr. Pope for the use  
of all applications of your Canada patent  
which you are entitled to receive under the  
11th section of the contract between us. I  
have retained a copy of it for our files.

Yours truly,

George Walker  
Vice President



The Gold &amp; Stock Telegraph Co.

— 2 —

Thomas A. Edison

Assignment

Dated Jan 31/79

License

Whereas, Letters Patent of the Dominion of Canada, for Improvements in Acoustic Telegraphs or Telephones, were duly granted to Thomas A. Edison of Menlo Park New Jersey, on the seventeenth day of October A.D. 1877 and numbered 8025, and whereas said Edison has also invented certain other improvements in Acoustic Telegraphs or Telephones for which he has applied or is about to apply, for Letters Patent of the Dominion of Canada, and

Whereas said Edison, by a certain instrument in writing dated the twenty first day of January A.D. 1879, did agree to sell, assign and convey, and by a duly executed instrument did afterwards sell, assign and convey his entire interest, in to and under said Letters Patent, granted or to be hereafter granted, to the Gold and Stock Telegraph Company, a corporation organized under the laws of the State of New York, and located and doing business in the City of New York.

Now, for and in consideration of One dollar, the receipt whereof is hereby acknowledged, the said Gold and Stock Telegraph Company does hereby grant to the said Thomas A. Edison, his executors, administrators, and assigns, the sole and exclusive right to make, sell and use, and vend to others to be used, for any and all purposes which shall not be directly connected with, nor in any way applicable to the transmission or reception of telegraphic communications, any and all of the said patented inventions or improvements more particularly that portion of said inventions and improvements which is set forth in the twentieth clause of the claim of said Letters Patent No. 8025

and commonly known as the Phonograph, to the  
full end of the term for which said Letters Patent  
are or may hereafter be granted.

In Witness Whereof, the said Gold and Nickel  
Telegraph Company, (by its President), has here-  
unto set its hand and seal as of and for the  
thirty-first day of January - 1879

The Gold and Nickel Telegraph Company

by *George W. Walker*  
New York

WITNESSES  
*J. B. Stead* Secy.

WESTERN UNION TELEGRAPH COMPANY,  
CLARENCE GARY,  
ATTORNEY.

New York, Apr 24 1879

My dear Mr Edison

The bearer, M. G. Le Gendre Esq,  
wishes to confer with you in regard  
to the Electric Light & its introduction  
under your inventions in Japan

Since this business in this be-  
half thus refers to a foreign country  
I have supposed it proper to refer him  
directly to you rather than to the officers  
of the Company of which Dr Green is  
Presdt

I shall be gratified with  
your kind attention to Mr Le Gendre's  
wishes in these matters

Very truly  
Clarence Gary

P.O. Dec. 4/25

George Walker,  
Vice President.

Gold & Stock Telegraph Company

Western Union Building

New York, May 5th 1879

T. A. Edison Esq.

Monk Park

Dear Sir,

Models for Canada  
made after Contract so  
as to protect us fully  
in Canada -

Referring to your bill of April 15th, 1879,  
I beg to ask whether the telephone model for  
Canada, therein charged at \$50, was procured  
& deposited in the Canadian Patent office  
subsequent to the agreement with this company  
for the purchase of your Canadian patent -  
if so, we should pay for it, but if  
earlier I do not see that we ought to be  
asked to do so - Mr. Pope, to whom I  
referred the matter, expresses this opinion.

The other item, model on the receiver,  
I have no doubt is correct. Correct

Respectfully yours

Geo. Walker  
Vice President



PATRICK & CARTER,

FRANKLIN R. CARTER.

Manufacturers and Dealers in every Description of

Railroad and Telegraph Supplies,

No. 114 South Second Street

Philadelphia, July 17 1874

Dear Sir -

I have read of, and have  
had your Electro Chemical  
Telephone - What are the chances  
for getting some for export both  
for Starana and Guatemala  
- Have two good men in these  
places who will do well  
for you - please reply with  
prospects and prices -

Yours truly  
Patrick & Carter  
Will have  
them all  
made to  
order  
4 weeks

File

New York.

22 August 1875

Mrs Edison Esq

Meads Park N.Y.

Sir,

I should be pleased to  
know whether you have the  
telephone for Japan completed.  
I am anxious now to get  
it over as soon as possible &  
avoid unnecessary delay.

Very truly Yours,

Wm. C. de Selve

C. Kemp Brown Bros 179

St Wall St

New York

P.S. I wish you would have drawn up  
such preliminary form of agreement as  
you think will be necessary — de Selve  
in the premises —

reached your hands  
 Loving  
 Yours respectfully  
 Wm. O. de Land

Chas Brown Bro & Co  
 59 Wall Street

on canvas already, made a change no longer  
 they were objectionable had it there when they  
 had a new lot - we expect to have them in  
 2 weeks. If you will put me in mind of it  
 we'll take them you can have as many  
 as you wish to order to purchase them

My Aug 30. 1904  
 Wm O de Land  
 59 Wall Street

New York N.Y.  
 30 August 1904  
 Mr Edison Esq  
 O Sir.

I had the  
 pleasure of addressing  
 you some days since  
 on the subject of the  
 telephone for Japan.  
 I am without a reply.

I would be glad to  
 know whether the matter

J. W. WEXEL,  
13 BARCLAY STREET,  
P. O. Box 3112,  
NEW-YORK.

**WEXEL & DE GRESS,**  
NEW-YORK, MEXICO, PERU AND CHILE.  
**Arms and Ammunition,**  
MILITARY EQUIPMENTS, &c.  
AMERICAN MACHINERY AND MANUFACTURES OF ALL KINDS.

F. DE GRESS,  
ARMERIA AMERICANA,  
1<sup>a</sup> DE PLATEROS, No. 5,  
MEXICO.

*Copy*

Mexico New York, Sept 30 1879

Messrs Messrs  
New York City. Messrs

We can close a contract in the Interior,  
to connect the different Police Stations  
by Telephones. - There are 11 of them about  
500,000 yards apart. - Please enquire  
at what price you can contract for  
the whole affair in N.Y. including all  
Telephones switches annunciators  
etc. but excluding wire. - we want full  
details with drawings also how it is pro-  
posed (using one line of wire for all  
of the stations if possible) to call Head-  
quarters by every station and how head-  
quarters can call each station. - By the Edison  
telephone it could be done by running the wire  
so many knots for each station, while with  
the Bell this could not be done. - But neither  
would suit here; at the same time a  
station calls headquarters, an indicator  
ought to show the number of the station.  
Please send the information as soon  
as possible very truly Yours W. Wexel



Table  
Edison

Oct 30 79  
530 PM

Mano Park N.Y.

Table authority organize  
British Colonies same  
basis London Glasgow  
Lancashire closed

14 London direct

H. G.

[TO GEORGE E. GOURAUD]

#

Oct 3, 79

Menlo Park  
London

You may negotiate India all  
of South America except  
Argentina Good Hope Turkey  
Norway Sweden Egypt  
Switzerland China Holland

Have 30 day option out on  
Australia

Menlo Park

545pm

9th

**WESTERN UNION TELEGRAPH Co.,**

TELEPHONE DEPARTMENT.

H. H. ELDRED,  
General Manager.

New York, Oct 4 1879

Friend Edison

The gentleman who desires to start an Exchange in Valparaiso & Santiago Chili would like to call on you Wednesday morning with me and see what arrangements can be made for the use of your instruments here - Will you be at home and will you see us, if so telegraph me Saturday regarding the matter

Yours Truly  
H. H. Eldred

Office of  
Gifford & Beach,  
P. O. Box 1130.

Gifford & Beach

noans

New York

Oct 6<sup>th</sup>

1879

Mr. J. A. Edison:

Meriden Park, N. J.

My dear Sir,

I have in

receipt of your favor of the 4<sup>th</sup>  
inst in relation to the telephone  
for Australia - and note that  
you require the decision of your  
correspondents there within thirty  
days -

We expect the next inward  
mail on the 16<sup>th</sup> inst with it  
our correspondent's reply. -

Immediately on its receipt  
we will have the pleasure  
again -

We are, dear Sir,

Yours truly,

Gifford & Beach

JAMES PARTICK

FRANKLIN S. CARTER

PARTICK & CARTER,

Manufacturers and Dealers in every Description of

Railroad and Telegraph Supplies,

No. 114 South Second Street,

Philadelphia, Feb. 8, 1879

C. A. Bliss Esq  
New York  
Dear Sir

How about your last  
Quality Telephone which you  
told us to remind you about,  
- we would like to quote it  
for you in Harlan's Estimates  
+ otherwise we have three  
patents waiting other perfect  
and you can give us a check  
- please let us know prospects  
and if you cannot let us  
have it for this country other  
can - please reply  
and oblige

Partick & Carter

[illegible]

[TO GEORGE E. GOURAUD]

3 Oct 87

Menlo Park London

Paris Chili solo

St James Park

2/14/80

This memorandum of agreement Entered  
into this 8<sup>th</sup> day of October in the  
year 1879 by and between Thos A Edison  
of Menlo Park Middlesex County in the  
State of New Jersey <sup>US of A</sup> hereinafter called  
Edison and José D Husbando of  
Valparaiso Chili South America  
hereinafter called Husbando,  
Witnesseth.

Whereas the said Husbando being  
engaged in merchandizing American products  
in Chili and other countries on the west  
Coast of South America is about to  
proceed to Chili as the agent of several  
well known American manufacturing  
houses for the introduction of their goods  
and whereas the said Husbando having  
seen in various cities in this country the  
operation <sup>+ make payment</sup> of the telephone as applied to  
what is known as the "Central System"  
and believing that the said system of  
telephony is applicable and of great value  
in the cities of Valparaiso and Santiago  
Chili <sup>other parts of west coast of S.A</sup> and that if they were introduced in a  
proper manner that they would prove a  
success financially and whereas the  
Husbando is desirous of effecting an  
arrangement with the said Edison securing  
his cooperation and assistance, this



inventions in telephony now made and to  
 be made and all rights which the said  
 Edison might obtain and the exclusive right  
 and authorization from the said Edison  
 to use telephones of his invention in all  
 Countries on the West Coast of South  
 America with the object of forming  
 a joint stock company in the City of  
 Valparaíso <sup>+ Santiago</sup> for the exploitation of the  
 said telephonic inventions within such  
 territory and whereas the said Edison  
 is desirous of securing the services and  
 experience of the said Husband to exploit  
 such inventions ~~and~~ promote such company  
 and develop the business of telephony  
 in such Countries to the exclusion of  
 competitors: Therefore be it agreed by  
 and between the said Edison & Husband  
 that the said Edison will furnish the  
 said Husband with the necessary appliances  
 and telephones ~~for him~~ to exhibit experimentally  
 in the City of Valparaíso <sup>or Santiago</sup> the workings of  
 a telephone system <sup>Eight in number</sup> and to furnish and  
 pay the expenses of a telephone expert  
 to put <sup>under direction of said husband</sup> such system in operation and  
 continue it for a period of <sup>Six</sup> ~~five~~ (6) months  
 and to furnish thereafter all the necessary  
 telephones and appliances at the same price  
 as charged by the manufacturer



the material supplied in the exploitation <sup>which have been ~~in the exploitation~~</sup>  
 and the salary and expenses of the expert  
 of the said Edison, the expenses whereof is  
 to be refunded by the said Company  
 to the said Edison. In consideration  
 of the services of the said Husband in  
 the formation or promotion of such Stock  
 Company and when all the <sup>above</sup> stipulations  
 have been fulfilled he <sup>the</sup> said  
 Husband shall retain and is hereby  
 authorized to retain from the fifteen  
 thousand dollars (\$15,000) of stock coming  
 from said Company to the said Edison  
 the sum of five thousand dollars (\$5,000)  
 in stock and of the sum of fifteen  
 thousand dollars (\$15,000) in cash coming  
 from the said to the said Edison he is to  
 retain \$3,000 in cash the said (\$5,000) five  
 thousand dollars in stock and \$3,000 in cash  
 is the entire and whole consideration  
 to be paid the said Husband for the  
 services herein agreed to be performed  
 by him. Said <sup>to be performed</sup> ~~agreed to be performed~~  
 the control of said Husband <sup>for the 6 months</sup>  
 named ~~to be performed~~ <sup>for the 6 months</sup>  
 for one of the  
 purposes of this Contract.  
 When the ~~same~~ <sup>same</sup> have been fully completed  
~~fully~~ said Edison hereby agrees to  
 assign to said Husband <sup>of his own volition</sup> and all territory on  
 the West coast of North America except Chile

with

To. *Thos. A. Edison Esq.*  
*Meriden Park*  
*New Jersey*

NOTE

FROM

*GEO E. GOURAUD.*  
6 LOMBARD STREET E.C.  
LONDON 2 - Oct 1879

I beg to enclose Power of Attorney to grant Telephone Patents for Australasia which please have executed in the usual manner and witnessed by English Counsel. When you have executed this together with the other Powers sent you by same mail please call in the word "Attorney" by which I well understand that they are executed and this will enable me to save ten days of time in the matter of perfecting the organization which will rest upon these Powers of Attorney. I note in your cable <sup>is</sup> referred to a ~~short~~ <sup>very</sup> day of action on Australia and this Power of Attorney that you may take no time in the event of the action referred to not resulting in a law. I understand this reaches you contrary to the case and you are no longer in a position to deal with Australia why I will only have to pay the expense of drawing the Power.

I also enclose Power to cover the other countries named in your cable  
India China &c

*G. E. Gouraud*

10. *Thos. A. Edison Esq.*  
*Monte Park*  
*New Jersey*

NOTE

FROM

Geo. E. GOURAUD.  
6 LOMBARD STREET E.C.  
LONDON 14 <sup>th</sup> Oct 1879

Dear Sir,

If you have not already done so and  
you should put in hand immediately  
an order for say at least 500 telephones for  
use in Norway Sweden Holland Switzerland  
China Egypt &c &c as it will be absolutely  
indispensable in order to occupy these fields  
to place immediately in operation in those  
countries a certain number of telephones. Put  
these forward and let that you forward them  
to me so that they may not be confused with  
the top and raise any question as to my  
right to use them for the purpose named.

I am glad to note that you have sent  
me two inspectors and hope to <sup>send one</sup> ~~send~~  
the remaining four that I telegraphed you for  
have started. These should be men competent  
to set up and work exchanges wherever they are  
required. (I think you had better provide) for  
sending me ten or a dozen in fact whenever  
you can hear of a good man suitable.

for the telephone and willing to come at  
reasonable terms engage him at once. I will  
send you out some printed forms of  
Agreement to save you trouble of such  
details so that you will only have to decide  
as to the suitability of the men

Yours very truly  
Geo. B. Gouraud

**WESTERN UNION TELEGRAPH Co.**

TELEPHONE DEPARTMENT.

H. H. ELDRED,  
*General Manager*

New York, 20th Feb 1879

L. H. Edison Esq.  
Melrose Park N. J.  
Dear Sir,  
J. H. H.

Mr. Husband and myself  
will be pleased to call on you on Sunday  
next 26<sup>th</sup> inst. to see the instruments in  
working order that you have ready for  
Chil. Mr. Husband's friend, the capitalist  
W. H. Brown, intends accompanying us.  
Will you receive us on the date mentioned?

Yours Very Truly,

W. E. Eldred

Genl. Managers.

You named 26<sup>th</sup> so I suppose you knew it  
was Sunday if not please advise

3

Oct<sup>r</sup> 20 29

Mentopark

London

Answer if I shall take ~~over~~

Patents in Countre's mentioned your  
Expense;

12 meulo Park Oct<sup>r</sup> 20, 29

815<sup>th</sup> Ave. G. E. G.



Know all men by these Presents  
that I Thomas Alva Edison of New  
York New Jersey in the United States of  
America do hereby <sup>in T.A.E.</sup> ~~appoint~~ appoint George  
Edward Howard of No 6 Lombard Street  
in the City of London England my Attorney  
in Australasia for me and in my name and  
stead and on my behalf to work and  
sell deal with and act in every way for  
my interests in working selling and dealing  
with in such manner in all respects as shall  
to my said Attorney seem expedient my  
present patents for inventions in <sup>in Telephones</sup> Telephones  
or for any future inventions or improvements  
I may make thereon or any other rights  
equivalent to or in the nature of patent  
rights I may now or hereafter possess under  
or according to the laws of any portion of  
Australasia or any rights whatsoever I  
may have in Australasia or any part  
thereof relating to the said inventions, <sup>in Telephones</sup> and  
for such purposes to enter into all necessary  
Agreements Contracts and licenses with and  
receive all moneys rents and royalties from  
any person or persons Companies or Colonial  
and other governments Also to demand  
due for and receive and give effectual  
discharges for all royalties and sums of  
money payable to me or to my order in  
respect of the said inventions Also to  
institute prosecute and defend or compromise  
all actions legal proceedings and Claims  
in which I or my rights or interests are  
respected

(2) T.A.E.

respect of the said intentions may be in  
any way involved or concerned and  
generally to act in relation to the premises  
as fully and effectually in all respects  
as I myself could do. And I hereby  
agree to ratify and confirm whatsoever  
my said Attorney shall do or cause to  
be done by virtue of these presents including  
in such confirmation whatsoever shall be  
done between the time of my death and  
the fact and time of such death becoming  
known to my said Attorney. In Witness  
whereof I the said Thomas Alva Edison  
have hereunto set my hand and seal  
this twentieth day of October One thousand  
Eight hundred and ninety nine.

Signed, sealed and delivered by the above  
named Thomas Alva Edison in the presence of

(C.S.)

(Signed) Thomas A. Edison

Signed J. A. Katscheler.

State of New Jersey }  
County of Middlesex } ss

It is remembered that on this twentieth day of October 1879 before me a notary Public duly appointed in and for said County personally appeared Thomas Alva Edison who I am satisfied is the person described in and who executed the foregoing instrument and I having first made known to him the contents he acknowledged that he signed sealed and delivered the same as his Voluntary Act and deed for the uses and purposes therein expressed.

signed J. L. Griffin  
Notary Public

(L.S.)

Duly Certified by Her Britannic Majesty's  
Consulate General, New York under  
date twenty second day of October  
1879.

**WESTERN UNION TELEGRAPH CO.,**

TELEPHONE DEPARTMENT.

H. H. ELDRED,  
General Manager.

New York, Oct 22<sup>d</sup> 1879.

J. A. Edison Esq  
Menlo Park N. J.

Dear Sir

Mr. Husband is very enthusiastic  
over the South American scheme, and as I wrote you  
Mr. Brown, of the extensive firm of metal  
dealers in this city, who will furnish money to Mr.  
H., desires to come out with us on Sunday - 26<sup>th</sup>  
This date will suit me if it will not inconvenience  
you. I am trying to arrange a plan by which they  
will make us a cash offer, and if you see the  
parties on Sunday I think the matter can be  
arranged to your entire satisfaction. I shall try to  
arrange to have the 9 am. train stop at Menlo - re-  
turning at 2<sup>30</sup>. Please telegraph me on receipt  
of this. Yours very truly *H. H. Eldred*

✓  
To Thos Alva Edison Esq  
Mento Park  
New Jersey

NOTE

FROM

GEO E GOURAUD  
6 LOMBARD STREET. EC.  
LONDON. 22<sup>ND</sup> DEC<sup>R</sup> 1879

My Dear Sir,

Colonial and Foreign Patent Deeds of  
Assignment and Powers of Attorney and  
you herewith for execution please have  
them witnessed as usual before <sup>British</sup> ~~Councils~~  
Consuls and return by first steamer. I am  
now correcting the proofs of the Memorandum  
and Articles of Association & Articles of  
Agreement between yourself and the  
"Edison Telephone Co<sup>y</sup> of India"  
1 " " " China  
2 " " " Egypt  
3 " " " Cape of Good Hope  
4 " " " Norway  
5 " " " Sweden  
6 " " " Switzerland  
7 " " " South America  
8 " " " Australasia

They will be upon the same general basis  
as the London Co<sup>y</sup> contracts being with  
the principal cities in the countries with  
powers to form District Companies

✓

In case of any of these Companies  
when there are no patents absolutely we  
shall have to be content with simply  
half the profits without any minimum  
guarantee of royalties.

I have had employed upon these documents  
the best legal advice in England both  
Solicitors & Counsel. Among the latter good  
will recognize Webster L.C. and Hergeim  
L.C. the latter was Secretary of State to the  
Southern Confederacy and is now one of  
the leaders of the British Rev. If the agreements  
do not work out well it will not be for  
the lack of taking every precaution in drawing  
them out quite regardless of expense. My  
plan is to place part of the capital  
of each of these Companies in England and  
the remainder in the countries themselves.  
The Agreements and the Power of Attorney  
above referred to under the whole Super-  
intendence - further agreements will be  
forwarded to you as soon as they  
are got out.

I am glad to hear the telephones are

3/ among and the inspectors. With regard to the latter you cannot take too great care & precautions in selecting them so as to get the very best men. Those that have already arrived seem to be very good.

I sincerely trust that your 30 days option <sup>in Australia</sup> will fall through as I have been a very strong party to put this on its legs. I take it for granted that this option does not include New Zealand. If the 30 day option is accepted looks particularly in your papers and so that it is confined to Australia only and cable me as follows. If Australia is free for me to negotiate cable the word "Australia" if "Australia" is to be accepted cable the word "New Zealand" which will save me ten days which will otherwise be lost in the preparations.

Upon the receipt of this please have somebody competent to do so (no reflections upon our friend Griffin who might perhaps be engaged on other matters) look to the bottom of your contracts and as soon as you know definitely cable me

It what <sup>other</sup> countries are free as I propose  
with your approval to cover the  
whole world - wherever the thing can  
be used to advantage

Yours very truly  
Wm H. Allen

1871 Oct 20  
Wm H. Allen  
1871



**WESTERN UNION TELEGRAPH CO.,**

TELEPHONE DEPARTMENT.

H. H. ELDRED,  
General Manager.

New York, 25<sup>th</sup> Oct. 1879

T. A. Edison Esq.,  
Meads Park N. J.

Dear Sir:

His will introduce to you Mr. Charles Hughes of Albany who comes with a strong letter of recommendation from Mr. Graves the Gen. Manager of our Telephone Exchange at that place. I regret to say that he has not had the experience which I should desire for the party going to South America, but by close application during the coming week, he may be able to fill the bill. Personally I am very much pleased with his appearance and address. After a talk with him if you are satisfied he will answer our

2  
7. ad

purpose, please arrange to have him come  
to Meulo Park under your direction next  
week. If he proves satisfactory, the ar-  
rangements are that we are to pay  
him \$7.5 per month and expenses

Yours very truly,  
D. D. Edwards  
~~Edward Edwards~~

## OFFICE OF W. A. GRAVES,

P. O. Box 420,  
Schenectady, N. Y.Albany, N.Y. Oct 24 1879

N. H. Edmund }  
 Gen. Manger, New York }  
 Dear Sir,

This was introduced to you, Mr. Chas. Hughes, the Candidate for South American Honors. I am pleased to say. I know you will like him better as your acquaintance extends, and when I say he is in good measure reliable, I do not put it too strong.

I have simply said you wanted him and when you wanted him to go. You are left in talking with him deciding if he will answer your purpose. I hope so on his and your account but I may would prefer to have him remain with me.

Yours truly  
 W. A. Graves

L. W. Jewett.

~~Prepare papers~~

Ed Johnson

Have John A. Johnson prepare  
patent papers for: India, Denmark,  
Norway, Sweden, New South Wales,  
Victoria, Queensland, New Zealand,  
Portugal, South Australia;

Take the new instrument with  
the improvement on the push button  
that stops the knock in the  
receiver -

Give a full description of the whole  
instrument - claim,

First -  
The method of adjusting the carbon  
transmitter by the screw in the  
diaphragm;

2nd The Tertiary Coil, containing the  
chemical receiving instrument,

(Oct. 27)

3rd) The combination of <sup>transmitting</sup> ~~as~~ <sup>an</sup> ~~induction~~ <sup>primary coil connected with battery</sup> which varies the resistance of a chalk circuit by varying the primary contact etc; with an induction coil consisting of ~~the primary & secondary winding~~ ~~induction coil as set forth~~, consisting of a primary secondary & tertiary coil ~~all operated~~ & connected substantially as set forth =

4th = The use of palladium to tip the spring which rests upon the chalk =

5th the use of ~~the substance~~ ~~disodium~~ or phosphate of an alkali salt to marish the chalk with.

6th = The method of putting pressure on the spring by the rubber piece =

7th = The device shown in new push for preventing the ~~effect~~ of the opening & closing of primary from disturbing the chalk.

8

The 'worn & worn' which,

9<sup>th</sup> = 'The general connections',

---

Have the papers prepared ~~to~~  
one of those in English sent me  
also have all the necessary papers  
for signature sent me ~~to~~ at once.

---

~~I think~~ The above claims are  
made in view of what has  
already been published. I believe  
nothing claims has been published  
So as to defeat the claims in the  
country where the patents are  
to be taken out =

---

Perhaps, the 'phosphoric',  
phosphate of an alkali'. ~~That~~  
new process ~~is~~ new  
method of ~~preparing~~ 'transmittal'  
& ~~with~~ general connection which  
have not been published in  
England would form the subject  
matter of another patent, any way

The new method adjusting transmitt  
and new push, would be good.

Last week 8 of us on telephone  
only slept 15 hours <sup>did not</sup> ~~sleep~~  
have lost all once & same  
with Batch = tested 36,  
instruments last night & very  
one belched right out.  
~~so that~~ majority so loud  
couldn't hear ear near them,

T. C. E.

J. W. WEXEL,  
13 BARCLAY STREET,  
P. O. BOX 3112,  
NEW-YORK.

**WEXEL & DE GRESS,**

NEW-YORK, MEXICO, PERU AND CHILE.  
**Arms and Ammunition,**  
MILITARY EQUIPMENTS, &c.  
AMERICAN MACHINERY AND MANUFACTURES OF ALL KINDS.

F. DE GRESS,  
ARMERIA AMERICANA,  
1<sup>a</sup> DE PLATEROS, No. 5,  
MEXICO.

New York, Oct 27 1879

Prof. J. A. Edison  
Menlo Park

Enclosed please  
find copy of a letter  
written to us by your  
house at Mexico, which  
explains its self. Please  
furnish us with the  
necessary information.

Yours faithfully,  
W. de Gress

P.S. Enclosed

please find a letter written to you  
by Mr. Beardelee please  
take note of his complaints and  
I hope to hear from you on that  
subject in your next letter



Business Sept 22/99

J. M. Nixie, Esq.  
New York

Dear Sir,

I thought that I would drop you a few lines that you can show to the Edison Telephone Co in regard to the difficulty we are having in introducing their device. Our principal trouble here is in securing the Bell House that we have made that ring and a sound of 20 others simultaneously with a Submarine. However, which will about succeed and a question of a 9. telegraph wire.

to bring them any distance  
I have been compelled to  
put into them a small  
relay and ring the bell by  
the Local Battery, in this way  
I have succeeded in bringing  
them on a circuit of about  
700 ohms with 4 discharge  
cells. It seems to me that  
this might be done when  
they are made as it can  
be done so much better  
and cheaper than I can  
do as they are now  
constructed they are prob-  
ably suitable for sending  
any circuit over the  
line for 2 or 3 miles. The  
Telephonic part is all right  
and we can talk almost  
any distance with them  
and the sound is

opportunity of introducing  
them on a rail road line  
constructing which, when  
finished will be about  
70 miles with 10 or 20 stations  
the company want to use  
them and do not want  
to put in the more intricate  
it is a good opportunity and  
we don't want to lose it,  
as it is now we could  
not with the Edison and  
competition with the Bell  
Telephone, although the Edison  
is far superior because  
the price of the Edison Telephone  
is only set at about 40 or 50 cents  
while the Edison on  
average of a mile & a half  
with 5 discharge elements  
and the Edison Telephone

we have must have been  
 made for Foster's pen from  
 communication with different  
 departments for a considerable  
 period of time for them as  
 soon as we have been  
 the Edison telephone here if  
 possible as they are as much  
 better than the others and  
 have talked them up to  
 everyone's knowledge  
 the others but if we cannot  
 understand the results are a lot  
 of trouble for the  
 work of a great many  
 of cells at the same time  
 necessary trouble of taking  
 care of the Baltimore interest  
 for the time being  
 I am very yours  
 to the Baltimore  
 electric



P.O. BOX 4128.

Brown & Brothers.

New York, Nov. 11<sup>th</sup> 1879.

Thos A. Edison Esq

My kind sir!

I have seen  
Mr Clack & believe him to be a good  
man. He will be out on Thursday  
as he cannot go before.

Very Resply

Joel D. Husband

T. A. EDISON.

Menlo Park, N. J., \_\_\_\_\_ 18

J. D. Husbands,  
Valparaiso  
Chile, S.A.,

Ship telephone 30th  
per Steam Pacific Mail  
Co per Fort Canal St.

**WESTERN UNION TELEGRAPH CO.,**

TELEPHONE DEPARTMENT.

H. H. ELDRED,  
General Manager.

P. O. Box 4061.

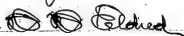
New York, Nov 19 1879.

Thomas A. Edison Esq-  
Menlo Park N.J.

Dear Sir

I send by bearer Mr Torrey  
duplicate copies of agreement with Mr Morgan  
as per his request made to Mr Griffin and myself,  
one each for all the parties including Mr Husbands.  
It has been read to Mr Morgan and is satisfac-  
tory to him. Mr Husbands is very confident  
and hopeful of success and I have great faith  
that he will win. I regret very much not to  
have seen you personally before this but  
have been overwhelmed with business.

Yours Very Truly

 Eldred

Admiral Dec 21/9  
GP Husbands  
Done

Aspinwall, C. S. C.

Dec. 21/89.

Thomas A. Edison - Esq.

Dear Sir,

Enclosed please find additions to our code. I find that the Panama RR have one of your duplex magnet telephone from Bay dept. to the machine shop and they complain that it does not work well. I told them of the exchange system. There is room here for a small private arrangement with the P. RR Co for about 25 phones. We are detained here by the floods & storms. The first observation made is that for tropical climate you should have the wood work well seasoned & all the parts should either be nickel plated or some other non rusting substance. Our delay here is really terrible but then it is custom & law. All freight must be shipped to me on a through B/C & freight prepaid or it will not go beyond Panama & must go to mile spoil.

lying in this climate any time. The supplies  
for me are not prepaid, therefore they will  
remain in Panama. <sup>will probably not, I have told it to some one</sup> I have offered the freight  
money but without avail, send all small  
packages by Wells Fargo & Co's express -.

Have no more to say just now except  
that after talking with parties from the  
Coast the thing looks well.

Have limited the terms also for mailage  
& find some one has been around to sign  
me. Then an several hundred passengers  
forced to stop over here & they have changed  
everything, so I will have to send up some  
from the south. There is only one for sale here  
& it is a real cry baby. one turn of the  
leaser would break his heart. If I can  
pick up a thump bird he goes.

With Regards to all

I am Respectfully Yours  
J. A. S. S. S. S. S.

Address me Valp<sup>e</sup>



[TO GEORGE GOURAUD]

1  
Moultonpark London Dec 8, 79

Can close here with strong  
Australian parties for Australia  
two dollars yearly royalty  
Each instrument answer  
shall I close 17 all people  
leave for there 25<sup>th</sup> something  
must be done quick

Edison

33 Moultonpark  
325 G.H.

[FROM GEORGE GOURAUD]

3 ~~after~~

Dec 9 79  
1055am

Ernesto Mendes Portez

No already arranged  
here larger royalty  
with advance

// London  
direct  
Hog

[TO GEORGE GOURAUD]

3

Dec 9, 24

Menlo Park London

You must act quickly  
as Bell people are  
getting ready

12 Menlo Park 9

1105-244

[TO GEORGE GOURAUD]

J

sec 10.79

Menlo Park London

Butter hurry Australian  
patents forward and  
occupy field at  
once; ~~on the spot~~

12 Menlo Park 10

4 PM

9 to

6 Lombard St London.  
December 13<sup>th</sup> 1879.

My dear Edison I am in receipt of your cable with reference to Australia and confirm reply stating that I have already arranged larger royalty here with advance - I have also your two cables urging me to hurry matters as much as possible in view of the fact that the Bell Company are preparing to occupy the field - I am having the papers prepared as quickly as possible by counsel and arranging preliminaries which will greatly facilitate the conclusion of the arrangements as soon as the patents are issued. You may rely upon my doing all that is possible to forestall the Bell people in the matter.

Yours truly,  
Geo. S. Howard

J. A. Edison Esq  
Menlo Park

Dec 13/79  
 I have been thinking of writing you for some time but have been so busy that I could not find time. I have been thinking of writing you for some time but have been so busy that I could not find time. I have been thinking of writing you for some time but have been so busy that I could not find time.

Steamer "Payta"  
 Callao, Peru,  
 Dec. 13th, 1879.

Thos. A. Edison Esq.  
 My kind sir. I would

(as I had intended, have added) much to your side show, but for the fact that the break in the rail road, they, nor the steamer, will not receive any freight at all, today though. I have this day written Mr. Edison matter of no importance up to date, which of course you can see if you wish. My little daughter Fannie says to me today or two ago - after having been quiet for some time Papa I have just thought why the telephone talk. I asked why. "Because of our

simply double your mouth  
in such a way as to make  
both machines talk at each  
end at once", I said I would  
let you know about it. She says  
no matter he got it up  
& knows the same thing before  
any one.

The motion of the  
steamer does not make  
it easy to write.

Permit me to express  
to my respected friend my  
regards and well wishes, also  
to Mr Griffin, Mr Battefield &  
other workers in the Edison  
Scientific Wonder factory-

Very truly & faithfully yours  
J. H. Thurman

To

Thos A Edison Esq

I send you a paper about the flood

Calles Peru  
Dec 13, '99  
Jared Husbands  
no ans

Calles. Peru.  
Dec 13. 1899.

My dear Mr Edison.

Since writing I  
have succeeded in obtaining the  
hammock of which I spoke.

Permit me to present it to  
you, trusting it may add from  
time to time a little rest to you,  
both in body and mind.

It goes marked to you, at Meads  
Park, by steamer "Payta" to the  
care of Wells Fargo & Co. at  
Panama.

May it be happy in the  
wish  
of yours in haste  
J. D. Husbands



JAMES M. ORMES,  
SPECIAL AGENT  
—FOR—  
Wm. H. Peto, N. C. & C. Co., Ala., Fla.  
D. I. CARSON, Sec'y.

THE NATIONAL BELL TELEPHONE CO.  
SOUTHERN AGENCY.

GENERAL OFFICES:  
No. 95 Milk Street,  
BOSTON.

Richmond, Va. December 21st 1879

Thomas A. Edison.

Dear Sir:

I took dinner with Prof Beece Monday evening, also Gardiner Hubbard and family there. In course of evening we got talking about Cuba, and they appear to give it to us, as it is so near Gibraltar.

The only drawback was, they were afraid the parties to whom they gave Spain, would claim it included Cuba, although they have never conquered Cuba to date. I told Prof Beece I would telegraph you, as you had experience there, and would be able to tell us.

I saw the Spanish Minister, and he said it gave us right to holder unless Britain, expressly included Cuba in transfer. A Patent in Spain, would however entitle Mr Beece to concessions in Cuba from the Captain General. If we secure it, we could make any arrangement with Britain, that they wanted.

I am going back to Washington, next week, and if you want to write me a letter expressing your ideas on England, I can show it to Hubbard and Beece, without their knowing it was written for them to see.

We have a beautiful Exchange and Building here, expect to give a ball, on the opening night, and want your pleasant instructions to show it will be on occasion of our moving into our new quarters, the Richmond & Arlington Life Sav Building (the largest in Richmond).

We have all the Press here from all quarters. Sincerely D. M. Dunderbush.

T. A. EDISON

Menlo Park, N. J., Dec 29 1879

Received from Thos. A. Edison  
Three hundred dollars on  
acc of his proposition ~~and~~  
per Houston Contract

*W. D. Edwards*

# WESTERN UNION TELEGRAPH CO.,

TELEPHONE DEPARTMENT.

H. H. ELDRED,  
General Manager.

P. O. Box 4061.

New York, 20<sup>th</sup> December 1879

A. A. Edison Esq/  
Mills Port & N. J.

Dear Sir,

We agreed to send to Mr. Hubbard's at Valparaiso, care of the American Consul, contract giving him full control of the West Coast of South America, to be delivered on payment of money as per contract. Will you be kind enough to have such paper prepared, and if you do not wish to forward it direct, we will do so. It should go by the next steamer, as we have delayed already, beyond the specified time.

Will you also please send me two or three carbon horseshoes mounted on the cards, about which I spoke to you.

If convenient I will return it as a personal

2nd

favor if you will loan me one of your Electric Lamps. I will not allow it out of my possession.

Very Truly Yours  
H. H. Eldred

T. A. EDISON.

Menlo Park, N. J., \_\_\_\_\_ 78

*Mem*

Edison to furnish supply \$ 350 -  
Cash \$ 400  
750

to have  $\frac{2}{3}$  of all profits under  
Husband Carlied,

Edison to furnish 750  
to have  $\frac{1}{3}$  of all profits  
under Husband Carlied  
providing it earned  
at substantially as in  
present form.

*T. A. E.*

My intention is to ~~run~~ register  
a separate Company for  
each of above same as Ldn  
Co. mutatis mutandis - and  
negotiate the advance <sup>royalty</sup>  
part ~~for~~ the ~~main~~ here

The solicitors are already at  
work on the deeds - Half of  
capital here and half in the  
countries of the Companies  
Forward ~~run~~ the patents  
or in any case where ~~you~~  
have not yet ~~received~~ them - full  
particulars as to the present  
status of Cash

telephone in Japan.  
You had fur or brown  
and me a sample  
instrument during  
the last month but  
it has not come to hand  
& I hope will obtain  
yours to

Mrs. C. L. Gaudy

59 Wall St  
New York

Write say we are not satisfied  
and to let the new class of  
telephones go into the hands of  
experts, although we have 10-00  
working in England, advise that the  
other form be sent to Japan & arrangements  
made with the W. E. H. Co -

effect of <sup>W. E. H. Co.</sup> <sup>to pay</sup>  
Amount <sup>to pay</sup>  
59 Wall St  
Thos. Edison Esq.  
55 Li.

I had the  
pleasure of addressing  
you a few days past  
but to the present am  
without reply. I shall  
close my letter to Japan  
on the 15<sup>th</sup> before that  
time should be pleased  
to hear from you in  
connection with the

**1879. Telephone - Foreign - Europe (D-79-040)**

This folder contains correspondence, agreements, reports, incorporation papers, corporate minutes, and other documents relating to the business of the Edison Telephone Company of Europe, Ltd., a patent-holding company that was incorporated in New York in 1879, and the Societe du Telephone Edison, a French-based company that was organized on January 1, 1879. Many of the documents concern attempts to consolidate three competing French companies: the Societe du Telephone Edison, the Societe du Telephone Gower, and the Soulerin Company. Much of the correspondence is by Theodore Puskas, Edison's agent for Continental Europe, and by Joshua F. Bailey, the European representative of the Western Electric Manufacturing Company. Related material can be found in the Edison Telephone Company of Europe, Ltd. Minute Book (Company Records Series).

All the documents have been filmed except for duplicate copies of correspondence.

Laboratory of  
Thomas A. Edison  
Menlo Park, N.J.

January 1 1879

French Telephone Case

money to Adams advanced 400.-

Articles sent to Adams

2 Binder Brackets with Coils Binder Key 475	29.50
6 Receivers w/ 7	42.00
2 Relays w/ 7	14.00
1 8 for Phon Receiver	7.00
5 Transmitters	75.00
1 600 ohm Boundary Cell - Bone	3.00
12 Telephone Cords	3.00
2 small Phon in Boxes	30.00
1 small Transmitter not adjustable	6.50
2 small Transmitters	16.00
45 Carbons pressed	4.50
Carbon mould	180.69
	361.19

Articles sent to Quakaa

4 Cast Iron Transmitters	8	32.00
6 Telephone Complete on brackets 27		162.00
2 Relays	7	14.00
2 Nickel case. Bells	2	4.00
6 Receivers	7	42.00
15 Telephone Cords	25	37.50
2 Transmitters	8	16.00
1 Pressure Relay		5.00
one Key		2.50
1 Boundary		4.75
32 Carbons		3.20
Electric Holograph		2.00
		291.70

Services, Bills, Patents

Sep 5. 1877	English Patent on Telephone	160.00
	Premium on same	5.00
May 25. 78	English Patent 3 years	240.00
June 1. 78	Search English Patent	26.00
June 22. 78	Copy English specification	3.00
Nov 13. 78	Eng Phon Patent. Fee	40.00
15	Revs on Phonograph design	245.00
	Services, Bills, Patent German Electric	120.00
		819.66

1872.119



Brought over

187249

Cable Summary

	To	From	No words	
May 25	Edison	Parkes	9	684✓
25	"	"	11	836✓
June 1	Bourne	Edison	9	684✓
3	Bourne	Edison	8	608✓
5	Edison	Bourne	4	324✓
8	"	Parkes	15	720✓
July 8	"	Parkes	12	922✓
Mobile	"	"	4	684✓
"	"	Bourne	14	1064✓
July 15	"	Parkes	8	608✓
15	Parkes	Edison	6	456✓
Aug 14	Edison	Adams	54	3876✓
16	"	"	12	922✓
16	"	Parkes	28	2128✓
Sept 21	Parkes	Edison	6	456✓
21	Edison	Parkes	58	4408✓
22	"	"	22	1672✓
24	"	"	6	456✓
Oct 8	Parkes	Edison	10	720✓
10	"	"	8	608✓
10	Edison	Parkes	11	836✓
12	"	Adams	20	1520✓
12	"	"	16	1216✓
Nov 5	"	Parkes	11	836✓
6	Parkes	Edison	6	456✓
9	"	"	3	228✓
9	Edison	Parkes	12	922✓
24	"	"	22	1672✓
Nov -	"	"	7	532✓
24	"	Parkes	19	1444✓
30	"	"	18	1368✓
Dec 3	"	"	9	684✓
Dec 30	"	Bourne	-	878
Nov 11	"	" 16 Rddy	-	825

342.34

221483

French Debts  
case Jan 1. 1979  
Hollander

$$\begin{array}{r} 17 \quad 30 \quad 61 \\ 145 \quad 48 \\ \hline 137 \quad 61 \end{array}$$

422.39

17956-298.98

~~28600~~ advanced to Adams ~~700~~  
 $\frac{1}{2}$  of this England  $\frac{1}{2}$  France — 450

111  
EDISON'S  
ELECTRIC PEN PRESS

Address  
GEO. H. BLISS.  
Genl. Manager.

142 La Salle Street,

Chicago,

Sept 13th 1899  
T. A. Edison, Esq.

Menlo Park, N. J.

Dear Sir,

I will be very much  
obliged if a receipt of  
this letter you will send me  
a statement in regard to  
the French Telephone sale  
with the amount of my  
share in cash check.  
If you can send me a  
check for the amount of  
Cash I am to receive I would  
be a very great recommendation  
put at this time. I have  
much stock and I do  
have a lot of it in the  
works. What is the

2/M

Capital stock of the Company,  
& how much cash is  
actually put into the business.  
This matter has quite an  
important bearing on my  
finances & I want to know  
how to calculate. Don't  
disappoint me & greatly  
oblige

Respy  
Geo. H. Reed  
Gen. Mgr.

\$425-  
\$200 been sent

~~Amount to be paid~~  
O. bet 3 & 4000  
in stock think stock  
will be worth par in  
short time

EDISON'S  
ELECTRIC PEN AND PRESS

Address  
GEO. H. BLISS.  
Genl Manager

142 La Salle Street,

Chicago, Ill. Jan 2nd 9

T. A. Edison, Esq.

Menlo Park, N. J.

Dear Sir

Yours of 17th at hand.  
I am much mystified  
about the French Telephone  
Matter. I understood you  
at my last visit that  
the patent was to be sold  
for \$40,000 divided into  
four payments of \$175,000 in  
stock. Subsequently I saw  
the sale reported through  
the newspapers as for  
five hundred thousand  
frances. When Carson came  
to me the last time he  
told me you represented  
a man that I was to

2\*

have three or four thousand  
dollars in cash, besides  
my proportion of stock.  
He now wishes that you  
tell him I am to have  
\$10,000 in stock besides  
seven or eight hundred  
dollars cash. Your  
letter - now ~~now~~ \$625 cash  
and three or four thousand  
dollars in stock. I am  
sorry to ~~have~~ my expectations  
raised to such a point, but  
look for nothing except  
what fairly belongs to  
me. I can see why you  
will not send me the  
details of the transaction  
so far as you have them

Respy.

Geo. H. Beebe

Gen. Mgt.

Phelps probably didn't understand  
Don't believe newspaper reports —  
10000 from Puckett & deducted from that  
Adams & telephone sent to him  
a portion of that 10000 belonged to you  
after figuring it up sent you  
I have rec'd no shares yet as  
Don't rec'd you will get  
your portion ready for contract

Chicago Ill Jan 23 1904  
John  
Grand Rapids Mich  
Jan 27 1904

Paris 22<sup>e</sup> Feb 79.

M. B. S. S. S.

45 Avenue de l'Opera

Residence 7 Avenue de l'Opera  
Paris, Montmartre

Paris Telephone Edison  
Barkson & Co 45 Avenue de  
l'Opera.

During since 14 January 1879  
Company of Messrs Barkson,  
Barley, S. S. S. and  
four Special Partners.

Capital francs 200,000 of which  
francs 175,000 is permitted  
by the Special Partners.

Mortality - unknown.

The greatest resource is  
recommended.

EDISON'S  
TELEPHONE  
PEN AND INK

Address

GEORGE BLISS.

Genl Manager

76 Market Street.

Chicago, N.Y. 12-1879.

T. A. Edison, Esq.

Menlo Park N.J.

Dear Sir

Your book keeper agreed  
to send me a copy of the Contract  
under which the Telephone  
patents were sold in France  
& also a statement of the  
condition of the account  
but I have failed to receive  
now. Please have this  
attended to & greatly  
oblige

Respy

Geo H Bliss

Genl Manager



THEO. PUSKAS

*At Paris de la Bourse*

45 Avenue de l'Opéra

Paris, le Marsch 17<sup>th</sup> 1877.

My dear Edison,

By this time Mr. Bailey will no doubt already have informed you that this company here is entitled to the benefit of all improvements on Telephones and by our contract the Patentees, that is to say in this case Mr. Bailey and I, are bound to pay for the Patents.

The company is however quite willing to bear the expense for this or any future improvement, but would greatly prefer having the Patents taken out here by a French agent because a French Patent taken out in New-York cost \$125. Mr. Sord having to charge extra for a great many things, as translation etc. - whereas an American the first Patent lawyer here charges only \$400 -

If you will simply forward the necessary drawings and specification in English the translation will be made by our own engineers and draughtsmen here and the Patent taken out at once so please do not hesitate to communicate us whatever improvements you may find, that we may secure them by Patents.

*Theo. Puskas*

Mr. Bailey is arranging so that all the future Tel. patents will be taken out as joint venture

THEO. PUSKAS

*Theodore Puskas*

— 175 —

45 Avenue de l'Opéra

Paris, le 14 mars 1900

*The principle of the  
new one is sound & the  
the machine is not really  
the machine is not really  
the machine is not really  
the machine is not really*

My dear Edison.

I have to-day received notice from the german patent lawyer Messrs. Knoop and Thode in answer to my inquiries that nothing further has been decided about your patent for Phonograph and Polyphon in that country and the matter is still pending.

Please let me know if your record receiver is secured by patent in Germany and Germany, the two countries where inventions are most in danger on account of previous publications of details; otherwise I fear that the long articles in the London Times of 17<sup>th</sup> inst. may do us harm.

Enclosed I send you a legalized transfer of half my interest in the Polyphon contract, of which I have asked Mr. Bailey to let you have a copy, but of which I need the like will forward you another copy by next mail.

I remain yours very truly

*Theo. Puskas*

U.S. Consulate General

Paris France,

Know all Men, by these Presents,  
that I, Theodore Puskas  
45 Avenue de l'Opera, at  
Paris, in the Republic of  
France, in consideration of  
the sum of One Dollar lawful  
money, the receipt whereof  
is hereby acknowledged, have  
sold, assigned, transferred  
and set over, and by these  
presents, do sell, assign, trans-  
fer and set over unto Thomas  
A. Edison, of New York, United  
States of America, one half  
of my right title and interest  
in the Telephone Contract,

entered into, and signed on  
 the Fifth Day of December  
 A. D. One Thousand Eight  
 Hundred and Twenty Eight,  
 by the following seven persons  
 Alfred Berthou. Joshua  
 Franklin Bailey. Theodore  
 Puskas. George Alexis Goddard,  
 Alphonse Brancy. Alfred  
 Chataud. Thomas W. Evans.

In Witness Whereof  
 I have hereunto set my  
 Hand and Seal, this  
 Nineteenth Day of March  
 A. D. One Thousand Eight  
 Hundred and Twenty Nine.

Signed at Los Angeles and  
 signed in the presence of  
 Theodore Puskas  
 Robert McHenry

U. S. Consul General  
Paris France

Be it known that on the  
Nineteenth Day of March  
A. D. One Thousand Eight  
Hundred and Ninety Nine,  
before me Robt McCorquodale  
Consul General of the United  
States of America, at Paris,  
in the Republic of France  
personally appeared Theo-  
dore Puckas, personally  
known to me to be the person  
named in and who executed  
the within Instrument and  
he acknowledged to me, that  
he executed the same, freely  
and voluntarily for the  
uses and the purposes

above mentioned  
I do Witness Whereof  
I have hereunto set my  
Hand and Official  
Seal the Day and Year  
above written



Robt McHooper  
U.S. Vice Consul General  
Paris

8  
Justice Department  
March 27, 1879

THEO: PUSKAS

*Mr. J. P. Morgan*

*40 Avenue de l'Opéra*

*Paris, le Marché 21<sup>e</sup> 1877*

*My dear Edison,*

*Enclosed please find promised  
copy of contract—*

*Yours very truly  
Theo. Puskas*

*This is the identical autograph contract. —*

THEO. PUSKAS

*N. Puskas & Co.*

48 Avenue de l'Opéra

Paris, le mardi 24<sup>th</sup> 1879.

My dear Edison,

I am very sorry to hear from Mr. Comand that none of the two new instruments which you sent him were destined for me.

I have just now a very good opportunity to dispose of the patents for Australia and Belgium but, as the appliances of the new receiver has created great sensation in London, and the press is full of its wonders and your praise, the parties are waiting for the new instrument before carrying negotiations any further.

I would therefore urge the necessity on you for sending the instrument as soon as you possibly can as this would also enable me to make better relations everywhere.

Kindly cable me, as soon as you have received this letter, when you will be able to send me the first two instruments. I strongly recommend Mr. Bailey to ask you, in case none of the instruments sent before for me, to forward me some as soon as possible and to cable me your answer, but I suppose he must have forgotten it, as he has been in the States since the 16<sup>th</sup>, and as I have had no cable from him yet, on the subject.

Very truly yours

Theo. Puskas



BRANCH HOUSES  
New York, 767 and 769 Broadway,  
Boston, 13 and 16 Tremont Row,  
Chicago, 14 and 16 N. Madison St.

SAMUEL S. WHITE,  
DENTAL DEPOT AND MANUFACTORY,

CHESTNUT STREET, COR. TWELFTH.

Philadelphia, Mar 27 1879.  
Mr. Thomas A. Edison.  
Monte Park N.J.

Dear Sir,  
I have pondered since leaving  
your place, that I did not have my wit  
about me when I had the opportunity  
of talking to you, to ask whether there was  
anything in the agreement with the  
Western Union which made it to our inter-  
est to delay the completion of the new tele-  
phone and receivers. I have not a copy  
of the agreement, nor do I remember any-  
more than that there is some proviso about  
not more in any one year.

I think it important that we  
should have that receivers as early as a  
proper completion of it can be done, and  
if there is anything in the way I would  
be glad to know it, and will try to remove  
the difficulty. A brief reply will oblige,  
Yours truly, Samuel S. White

Philosophy of  
Dr. Samuel J. White  
and Mel. J. Y.  
See letter book

as it stands collected &  
elsewhere or by itself in any  
form. It is not a book  
to be given away or to be  
kept in a library. It is  
not a book to be given away  
or to be kept in a library.

no compact may take  
advantage of the  
rapid development of science  
to come into the field  
with an untried system  
not now known

as for as regards the new tel  
it is all right. The tel. have  
not given up the Con as, however  
but anything after that the  
Con is so organized that it  
is not for the benefit of  
the Co or myself.  
It should be an object with  
the Co to have the Con worked  
in such a manner as that it  
be an object for myself or my  
people here to be the whole system  
without any delay or that hereafter,

✓

Cable

9:42 a.m.

Apr 7, 1911

Paris via NY

Edison ms

Want motographs very  
badly  
Puskas

7:57  
May

THEO. PUSKAS

*1, Rue de la Bourse*

Paris, le 4<sup>th</sup> April 1879

*118 Avenue de l'Opéra* - I have just your letter of 2nd inst. and am very glad to hear of your success in the matter of the microscope. I am very anxious to see it and to see the results of your work. I am very glad to hear of your success in the matter of the microscope. I am very anxious to see it and to see the results of your work.

I have just your letter of 2nd inst. and am very glad to hear of your success in the matter of the microscope. I am very anxious to see it and to see the results of your work.

I have just your letter of 2nd inst. and am very glad to hear of your success in the matter of the microscope. I am very anxious to see it and to see the results of your work. I have just your letter of 2nd inst. and am very glad to hear of your success in the matter of the microscope. I am very anxious to see it and to see the results of your work.

Please let me know which receiving you think the best for the long line with much induction and also if on such lines you use stronger Batteries and bigger induction coils than under ordinary circumstances.

I am very sorry to hear from your nephew that Adams is so ill now again; when I was in London the last time I persuaded him according to a doctor's advice to go to Bouenmouth and told Col. Courant to let him have some rest, but in spite of my admonitions Adams would not stay in Bouenmouth but came back to London where he fell ill again. His illness may interfere with us here as we have only a press but no carbon, and in his present state I feel delicate about writing him to send the carbon as I know that if he could only sleep he would

My dear Sir

Theo. Parker

come over to help us without giving a thought to the consequences to his health. I have been so busy to inform you of all this begging him to cable me when you would be able to send me carbon directly here to Paris, but he has neither cabled nor written and I do not know if he has spoken to you at all on the subject.

A gentleman of the name of Henry of Amsterdam, in Paris has written to me and offered his services in Austria, Germany or Italy referring to you. Do you know him or can you give me any information about this person?

Another reason why I am anxious to get the name of the person is because it might influence the decision about your German talent.

in the courts. We did not know who was the person who was to be the judge of the case. We did not know who was the person who was to be the judge of the case. We did not know who was the person who was to be the judge of the case.

THEO. PUSKAS

*See Recd. de la Presse*

— 175 —

110 Avenue de l'Opéra

Paris, le 4 April 9<sup>th</sup> 1879

My dear Edison,

I asked H. Bailey to bring back here some good photographs of yourself and the workshops and laboratory at Menlo Park, but as I fear he might forget this I would ask you, if you have not given him any such to forward them directly to me as we want them here for the ornamentation of our offices.

I am anxiously looking forward to your answer to my letter and telegram of 7<sup>th</sup> inst. about the new receiver.

Very truly yours

Theo. Puskas

1  
Paris  
Via NY!!  
Edison

5:45 PM  
Apr 11, 79

When shipping motographs urgent  
Answer Puskas

4. Collect  
7/4 9

78g  
70v

Cable New Reason  
Apr 11, 79

1  
Puskas Paris

Soon as can manufacture

6 miles Parking Apr 11, 79

78g  
46g

8 PM  
914

TAK

This Agreement made this *Twenty-ninth* day of April, 1879, by and between Thomas A. Edison of Menlo Park, in the State of New Jersey; Samuel S. White, of Philadelphia, in the State of Pennsylvania; Theodore Puskas, of 45 Avenue de l' Opera, Paris, France, and Joshua P. Bailey, of 45 Avenue de l' Opera, Paris, France, parties of the first part, and *James H. Bausler* of the City of New York

of the second part, witnesseth:

Whereas the parties of the first part, collectively, own or control the use in the following countries of Europe, to wit: Belgium, Austria, Denmark, Germany, Russia, Italy and Spain, of certain inventions of Thomas A. Edison, George M. Phelps, Elisha Gray, and Frederick K. Fitch, in or relating to Speaking Telephones, and of letters patent which have been or may be granted in said several countries, or any of them, for such inventions, or for any other further improvements or additions thereto, or further inventions of the like character, which may be made within five years from the date hereof.

And whereas the parties of the second part desire to acquire an interest in all the rights of said several parties of the first part collectively in such inventions and letters patent aforesaid, and the parties of the first part are willing to sell and convey to them such interest in consideration of the agreements on their part as herein set forth.

Now in consideration of the premises and of the mutual agreements of the parties hereto as herein set forth, they agree with each other as follows:

First: The parties of the first part agree to sell, convey and secure to the parties of the second part, by instruments good and sufficient in the law of the several countries above named, for the sum of twelve thousand dollars, one undivided sixth part of all the right, title and interest of all and each of them in each of the countries above named, in all the inventions of said Edison, Phelps, Gray, and Fitch, which they now own or control and in all additions to or improvements of said inventions and in all further inventions of said Edison and others above named of the like character which they may acquire within five years from the date hereof, and in all letters patent for any of such inventions, improvements or additions.



And the parties of the first part agree that all or any part of said sum of twelve thousand dollars which may be paid by the parties of the second part, shall be applied to the procuring of, and bringing into use, as soon as possible, by sale or other most advantageous mode, the inventions and patents aforesaid in the said countries of Europe.

Second: The parties of the second part agree to pay, for application in Belgium and Austria to the uses set forth in the first clause hereof, the sum of ~~six thousand (6000)~~ dollars of the twelve thousand dollars above named; and to pay — *Two thousand dollars of said Six thousand on the execution of this agreement, and the remaining four thousand dollars in installments of \$1000 each on the expiration of each thirty days from the date of this instrument.*

Third: It is mutually agreed that if the said parties of the second part, after paying said *Six thousand* dollars shall elect not to pay the residue of said twelve thousand dollars, mentioned in the first clause hereof, on notice after payment of said *Six thousand dollars* to so elect (and option to this effect is hereby expressly reserved to the parties of the second part)-- then the parties of the second part shall be entitled to an undivided *sixth* — interest in the inventions and patents aforesaid in and for the countries of Belgium and Austria only-- and upon payment of said *Six thousand dollars* as above provided, the parties of the first part agree to sell, assign and secure to the parties of the second part, by good and sufficient instruments as aforesaid, one undivided *sixth part* of all the right, title and interest of all and each of them in the said inventions and patents in and for Belgium and Austria.

Fourth: The parties to this agreement agree to form together a corporation under the act of the state of New York, entitled "An Act to provide for the organization of certain business corporations," being Chapter 611, of the Laws of 1875, and that such corporation shall be such "limited liability company" as is provided by the thirty third section of that Act, with a capital of one hundred thousand dollars, divided into one thousand shares of one hundred dollars each; that shares to the amount of seventy two thousand dollars of the capital shall be issued as full paid stock in payment of the patents of the parties of the first part hereto in the European Countries named in the preamble hereof, and the rest of the capital shall remain in the Treasury of the company, and subject to its control.

Fifth: The seven hundred and twenty shares issued in payment for patents shall be distributed as follows:

The words "partly" jointly, three hundred and sixty shares; to Samuel S. White, one hundred and twenty shares; to Joshua F. Bailey  
of the second part, one hundred and twenty shares; and to the parties of  
the second part, the second part, One hundred and twenty shares  
and the correction of it they shall think fit they may cover them in  
any manner. And do declare that they shall have no right to transfer  
the same or any part thereof without the consent of the other party.  
And do hereby certify that the foregoing instrument was duly executed by me as above stated.

To Thomas A. Edison, and to Theodore Puskas,  
White, one hundred and twenty shares; to Samuel S.  
Bailey  
One hundred and twenty shares; and to the parties of  
the second part, the second part, One hundred and twenty shares  
and the correction of it they shall think fit they may cover them in  
any manner. And do declare that they shall have no right to transfer  
the same or any part thereof without the consent of the other party.  
And do hereby certify that the foregoing instrument was duly executed by me as above stated.

instrument and the clause beginning shall bind, and enure to the benefit respectively, of their  
but if they shall respective executors, administrators, and assigns.

articles above written.

In presence of

Wm Barnard

Thomas A Edison

Samuel G. White

F. F. Bailey

James H Banker

On this 29<sup>th</sup> day of April 1879, before me  
personally appeared Ed. J. [unclear]

personally appeared Thomas A Edison, Samuel  
S White, J F Bailey and James H Barker

to me known, and known to be the persons described in, and who executed the foregoing agreement, and they severally acknowledged to me that they executed the same.

A. L. Griffin  
Notary

It is understood by all the parties  
to the within instrument and they hereby severally  
agree that it is part thereof that on the formation  
of the Corporation within provided for they will  
convey and assign to all their respective interests  
in all the patents and inventions within referred  
to including the interest which may be acquired  
by the party of the second part under the within  
agreement. The shares allotted by the fifth  
clause being designed to be given to the parties  
there named respectively in exchange for the  
interests so to be transferred by them to the  
company

Witness  
E. L. Carman

Thomas A Edison  
Samuel S. White

J. F. Bailey  
Farm H. Banker

Made Public April 30. 79

Witness  
Edison & White  
Bailey  
Carman

The agreement entered into this day  
of April 1879 by & between Thos  
A Edison of Menlo Park Middlesex Co  
in the State of N.Y. party of the  
1st part hereinafter called Edison and  
Theodore Puskas of Forty five  
Rue de la Opera Paris France  
hereinafter called Puskas  
Witnesseth. Whereas the said Edison  
did on the 17 day of Dec 1877.  
Enter into a certain contract with the  
said Puskas of which thefo is the  
inventor of certain improvements in  
Telephones and Phonographs for which  
he did apply and obtain Letters patent  
in France Belgium <sup>Spain</sup> Germany Austria  
Italy Russia ~~and other~~ <sup>Count</sup> ~~countries~~  
and whereas the said Puskas supplied a  
sum of two thousand  
dollars to the said Edison to pay  
the necessary <sup>expenses</sup> of obtaining  
such patents <sup>upon the verbal understanding that</sup> in consideration of that  
the said Edison should <sup>grant</sup> <sup>to the said</sup> Puskas <sup>a certain</sup> <sup>undivided</sup> <sup>half</sup> of all  
the proceeds from the sale of such  
patents in such Countries or from profit  
arising out of the sale of machines under  
such patents aforesaid.

Therefore be it agreed between the said Edison and the said Puskas that this contract is to ratify such understanding upon the following conditions:

1<sup>st</sup> That the said Puskas shall ~~have sole~~ ~~has sole expense~~ use due diligence in negotiating for the sale of such patent aforesaid and take all necessary and reasonable steps to that end and at his own expense;

2<sup>nd</sup> That <sup>after the payment to the said Edison of five thousand dollars indicated upon the sale of each patent aforesaid</sup> ~~that~~ all monies received from the sale of any patent or from the granting of any license or rights of any kind or character <sup>under such patent</sup> shall be divided in the proportion of <sup>undivided</sup> one half part to the said Edison and one half part to the said Puskas;

3<sup>rd</sup> The said Puskas further agrees to make no sale of such patent or patent aforesaid or grant any rights thereunder to any person without first obtaining the consent in writing or by telegraph of the said Edison to make such sale or grant such rights or license;

4<sup>th</sup> That ~~the undivided half part of~~ <sup>the portion of</sup> all monies stock or other receipts received from the sale of any patent aforesaid ~~shall~~ or the granting of any rights or license thereunder ~~shall have been~~ <sup>payable under the contract to the</sup> ~~that may be received by the said Puskas~~ (2)

<sup>said Edison</sup>  
shall be deposited to the credit of <sup>said</sup> Edison  
' Edison at a proper bank or monetary  
institution and <sup>said</sup> Edison notified  
that the same has been so deposited, to his  
credit,

~~The Constitution~~

5 <sup>said</sup> Edison hereby authorizes the  
said Puskas to transfer sell assign convey  
any and all rights or grant licenses  
under the patents <sup>of said Edison</sup> ~~of said Edison~~ and the  
condition ~~of said~~ <sup>for</sup> telephones & phonographs  
in France, Belgium, Germany, Italy, Spain,  
Austria, Russia, subject to the above  
conditions herein set forth,

1 Cable May 22 1879

Ruskas Paris

78
16
126 8
78
124 8

Tell Adams return  
immediately to America  
Gouard and Bailey  
having Engaged Experts  
here  
Edison

16 West Park  
9401 N.

4

May 22-79  
4/2

N York 22  
T A Edison

Coming out four thirty train  
want see you half hour  
only.  
Bailey

11 paid  
may

State of New York 188  
City and County of New York

We, Thomas A. Edison, of Menlo Park in the state of New Jersey; Robert L. Cutting, a citizen and resident of the city and State of New York; Samuel S. White, of Philadelphia in the State of Pennsylvania; Robert L. Cutting, Jr. a citizen and resident of the city and State of New York; and James H. Ranker, a citizen and resident of the city and State of New York, do hereby certify, that we propose to form a corporation under the provisions of an act of the legislature of the State of New York entitled "An Act to provide for the organization and regulation of certain business corporations" passed June 21, 1875; and the acts additional thereto and amendatory thereof: such corporation to be of the class of limited liability companies provided by the 33<sup>rd</sup> section of said act of June 21, 1875; and accordingly, in pursuance of the provisions of the acts aforesaid, we do further certify, as follows, to wit:

First. The name of the proposed corporation is The Edison Telephone Company of Europe, Limited.  
Second. The object for which the proposed corporation is to be formed and the nature of



the business are respectively the purchasing, owning, using and procuring, to be used in Europe and elsewhere, inventions in or relating to speaking telephones, the procuring and owning, of letters patent of the countries of Europe for such inventions, the selling of such letters patent or of interests therein, or of rights to use the inventions covered thereby, and the doing of such other business as is incidental to the object and business aforesaid.

And the locality of the business of the proposed corporation will be partly in this country, and especially in the city and State of New York, and partly in Europe.

Third. The capital stock of the proposed corporation will be one hundred thousand dollars.

Fourth. The number of shares of which such capital stock shall consist is one thousand of the par value of one hundred dollars each.

Fifth. The location of the principal business office of the proposed corporation will be the city of New York in the State of New York.

Sixth. The duration of the proposed corporation will be twenty years.

Thomas A. Edison

R. L. Cutting

Samuel S. White

R. L. Cutting, Jr.

James H. Banker  
City & County of New York, ss.

On this second day  
of May, in the year 1879 before me personally,  
appeared Thomas A. Edison, Robert L. Cutting, Sam-  
uel S. White, Robert L. Cutting Jr. and James H.  
Banker to me known to be the individuals de-  
scribed in and who executed the foregoing cer-  
tificate and the said R.L. Cutting, R.L. Cutting Jr.  
and James H. Banker, being known to me  
to be severally, citizens and residents of the  
State of New York; and they severally, signed  
said certificate before me and acknowledged  
to me that they signed the same and for  
the purposes therein mentioned.

(seal) Chas Roth (28)

Notary Public

New York County

Endorsed "Filed May 3, 1879".

And it is further hereby Certified, That upon the filing of said Certificate, of which the foregoing is a true and correct copy, on the third day of May 1879, as aforesaid, a license was issued by the Secretary of State, pursuant to said act to the five persons named in and who made and acknowledged said certificate, empowering them as commissioners, to open books for subscriptions to the Capital Stock of said proposed corporation, at such times and places as they might determine.

And a verified record of the proceedings of said commissioners, having this fourth day of May 1879, been filed in the office of the Secretary of State, containing a copy of the subscription list to the Capital Stock of said proposed corporation, together with a copy of the By-Laws for said proposed corporation, adopted by the subscribers to said Capital Stock at a meeting of said subscribers held at No. 19 William Street in the City of New York on the twelfth day of May 1879, pursuant to the provisions of said act, as appears from said verified record aforesaid, at which subscribers' meeting as aforesaid, five directors (being the number provided for in the said By-Laws of said proposed corporation) were also chosen, whose names as further appears from said verified record of proceedings, filed as aforesaid, are as follows, to wit:

Thomas A. Edison

Robert L. Cutting

Samuel D. White

Robert L. Cutting Jr and

James M. Banker

Now, Therefore, I, George Moss Deputy Secretary of State, do hereby certify that said corporation, to wit: The Edison Telephone Company of Europe Limited is fully organized in accordance with said act, Chapter 611, Laws of 1875; and that all the provisions of said act have been duly observed in the organization of said corporation as herein above set forth.

Witness, my hand and the seal of office of the Secretary of State, at the City of Albany, this 14th day of May 1879.

[L. 5.]

Geo. Moss  
Deputy Secretary of State.

Recorded May 14, 1879 and agrees with the original as compared therewith by me  
Geo. Moss  
Deputy Secretary of State

State of New York, } ss.:  
OFFICE OF THE SECRETARY OF STATE }

I have compared the preceding copy of Certificate of Incorporation with the record thereof remaining in this office, in Book entitled "Record of Incorporations," number 2, at page 128 and I do hereby certify the same to be a correct transcript therefrom and of the whole thereof.

Witness my hand and the seal of office of the Secretary of State, at the City of Albany, the twenty fourth day of January one thousand eight hundred and eighty. Rever

Frederick A. Wood

Secretary of State.

3

My ~~6<sup>th</sup>~~

May 6 79

T. A. Edison

5-15-

Messinger comes with books  
and papers on five twenty  
train. Tell Roth to  
wait

Bailey

(Paid)  
ma. 9.

New York, May 7<sup>th</sup> 1879.

Sir:

A meeting of the subscribers to the capital stock of "The Edison Telephone Company of Europe, Limited," will be held at the office of Robert L. Cutting, Jr., at No. 19 William Street, in the City of New York, on ~~Monday~~ <sup>in the afternoon</sup> the 12<sup>th</sup> day of May instant, at 3~~30~~ o'clock <sup>in the afternoon</sup> noon, for the adoption of By-Laws for said corporation, and the election of Directors to manage the concerns of the said company for the first year.

Thomas A. Edison.

Robert L. Cutting.

Samuel S. White.

Robert L. Cutting, Jr.

James H. Banker.

Commissioners.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND DELIVERS messages only on condition, limiting its liability, with bare loss sustained by the sender of the telegraph message. Messages sent to the receiving station for signature, and the Company assumes no responsibility for loss or delay in transmission or delivery of telegraphed messages. Messages sent by this Company are subject to the conditions of the Western Union Telegraph Company.

A. B. BREWER Sec'y.

NORVIN GREEN, President.

Date Philadelphia Pa 5/11 1879

Received at 804 Pm  
To C. A Edison

READ THE NOTICE AT THE TOP.

Small sends you memoranda  
of all will go  
over with you Saturday  
afternoon

J. L Bailey  
Hotel Lafayette

15 paid

3 May 13

May 13 79  
800m.

T. A. Edison  
ms

Shall I find you tomorrow.  
Evening execute papers. Sail  
Thursday answer Hotel Lafayette  
Philadelphia

J. F. Bailey

14 Paid  
79 9.

1 May 13, 79  
J. F. Bailey  
Hotel Lafayette Phila

Yes I will be here  
T. A. Edison.

55H

830  
9, 74.



[FROM THEODORE PUSKAS]

4  
Paris  
Via N.Y. May 16

May 16-79  
1.45-

Edison  
Menlo Park N.J.

Edison N.Y. Has Bailey left

7 Coll. at 25  
/ in date

4

Cable

May 16, 79

Puskas

Paris

Yesterday

3 menlo Park  
10<sup>15</sup>  
9<sup>30</sup>  
4<sup>30</sup> PM

75  
3  
284

Block No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS AND DELIVERS messages only on condition, limiting its liability, which here-  
tofore has been limited only by republishing a message back to the sending station for comparison, and the Com-  
pany shall not be liable for any delay or failure of service or delivery of messages or for any other condition  
hereinafter stated.

A. B. BREWER, Secy.

WILLIAM OSTON, Pres't.

Dated Cable 5/27 1879

Received at Edison

Menlo Park  
New Jersey

READ THE NOTICE AT THE TOP.  
You continue puskas  
telephone contract countries  
and Colonies not assigned  
company answer

1/6 London  
Daily  
London  
Yes

12 00

London.  
27 May 1879.

U  
Thomas A. Edison Esq  
Mentis Park  
New Jersey. U. S. A.

My dear Sir,

I cabled you to-day: - "You continue Puskas Telephone contract countries not included in assignment to 'Company'; and a few minutes since received your reply: - "Yes."

On sitting down with Mr Puskas to go over the contracts made with you and with the company, we found that we had overlooked Australia, India, & some other minor countries in which Mr Puskas had paid for patents.

The release which I signed in your favor gave up to you all Mr Puskas's interest in the contract of 17<sup>th</sup> December 1879, whereas this release should have applied only to the countries embraced in the assignment made by you to the "Edison Telephone Company of Europe." In order to make matters straight between you & Mr Puskas, will you kindly send him a memorandum contract continuing to him his rights to the countries in question, as defined in the contract of December 17<sup>th</sup>.

In regard to the preliminary payments to be made to you in the countries embraced in the assignment to the company, we would suggest to leave this point open a few days, during which we will have opportunity to consider the manner in which we will carry out the exploitation in Europe, and will make you a proposition which you will accept as equivalent to the original agreement with Mr Puskas. We would also propose that you hold

2\*

4,000 dollars of the stock of the Company as collateral security for these advances.

I have agreed with Mr. Puskas that this deposit shall come in part from our interest, and in part from his; to wit 2,000 dollars of his stock to be held by you, and 2,000 dollars of ours.

I have written to Dr. White in this mail in reference to this, and have no doubt that he will agree to the proposition.

In all events the 2,000 dollars either of his and my stock, or of mine, shall be placed with you as collateral, if this is satisfactory to you.

We propose this, because it is agreed between Mr. Puskas & myself for considerations lying between us, that the amount of these preliminary payments to you shall be borne equally between his interest and Dr. White's and mine.

Mr. Puskas desires me to explain to you that on account of the suits in which he is engaged in Colorado, he wishes to have the stock coming to him, issued in the name of his brother Francis Puskas, residing at Buda Pesth in Hungary.

He desires also that you will explain to the other gentlemen concerned, the reason why his stock is issued not in his name.

You know more or less of his affairs in Colorado, & will understand the reason of this action.

Will you please to send to him at once the amount of stock coming to him, withholding from it the one half of either 4,000 or 5,000 dollars, as you may see fit; and I write to Dr. White to make up the other half from our interests.

I shall go to Belgium to commence operations early next week, and Mr. Puskas's brother, who is a very intelligent gentleman, will commence operations in Vienna, and probably in the course of a fortnight Mr. Puskas will go to Germany.

I have skirmished about considerably yesterday and to-day, picking up opinions about Electric light, and I find that coming events have decidedly cast their shadow here, and that the Experts are "hedging", and those who six months ago found all propositions as to the substitution of Electric light for Gas ridiculous, begin to consider it quite probable that the change will take place.

You have doubtless seen the report of the testimony of Sir William Thomson before the Parliamentary Committee; and this represents the general drift of opinion.

My cable address is always "Bailey, London," and my post office address care of "Messrs. & Co., 7 rue de la Paix, Paris."

I desire to present my kind remembrances to Mr. Griffin, Mr. Batchelor and Mr. Upton, and to remain -

Very sincerely yours,  
J. R. Bailey & Co.

John W. Porter  
Dorothea P. Lawrence  
For Hales & Stone  
Ch. James Stone  
George T. Hamilton

PO Box 1836

Porter, Lawrence, Loren & Stone,  
Attorneys & Counsellors at Law,  
No 3 Broad Street, (DREXEL BUILDING)

New York, June 2 1879

Dear Sir,

According to our custom as to disbursements,  
we send you memorandum of amounts actually paid  
for your Company

Very Respy

John Lawrence Loren & Stone

W. R. L. Cutting Jr.  
Secretary E. T. & Co.,

No. 3. Broad Street  
New York June 2<sup>d</sup> 1879

The Edison Telephone Company of Europe, Limited  
To Porter, Lowrey, Loren & Stone, De.

1879.	For Disbursements on your a/c to date		
May 2	Paid expenses of messenger at Albany in		
	obtaining preliminary certificate, business	15	76
"	fee to Secretary of State for same	1	50
6	expenses messenger to Menlo Park	2	90
9	telegram to Mr Edison	4	9
10	making extra copies agreement	2	00
"	Minute Book	9	00
12	Secretary State, cert copies, prelim, cert	3	00
"	Registry of same	1	0
13	expenses messenger to Menlo Park	1	25
"	telegram to Albany	1	32
14	" " " "	1	04
"	expenses messenger to Menlo Park	1	00
"	telegram to Edison	3	5
15	expenses messenger to Albany in		
	obtaining final certificate	12	30
"	telegrams from Albany	2	00
"	copies at Albany	3	20
"	Secretary of State's fee	10	00
"	6 Certified copies final certificate	24	00
16	Consular certificates for same	7	90
17	bounty clerk filing same	1	50
19	Notary's fee - in Paris attorney	3	00

\$103 61

(June 13)

1  
The memorandum of agreement  
between the Edison & Procter  
Company and the Edison & Procter  
Company in the 8th April 1886  
Whereas a certain bill of sale  
dated ———— entered  
into by & between Thomas  
A Edison, Theodore Procter  
& Geo H. Bliss, which  
gave to the said Bliss  
one ninth part of the  
proceeds of the said  
whereas the said Edison &  
Procter & Bliss have transferred  
to the Edison Speaking Telephone  
Co of Europe (Limited) all  
their interest right & title,  
in & to the said invention  
receiving in payment  
from such Co shares of  
their stock, & whereas  
the said Edison & Procter

2  
to obtain the proper  
Capital in such Co have  
been compelled to part  
with a portion of their  
interest, and whereas the  
said Bliss who is entitled  
to one ninth of the proceeds  
from the former contract  
is willing to reduce the  
same ~~to one~~ therefore be  
it agreed by & between  
the said Edison Procter &  
Bliss that the said  
Bliss will receive in  
full payment of all  
his right title & interest  
in the said patent &  
Contract abovementioned  
upon the payment to  
him of twenty five



3

Shares of the stock  
of the Edison Telephone  
Co. (Limited) per value  
of 100 dollars each.  
Upon such payment to  
the said Bliss the said  
Contract above mentioned  
shall be null & void  
& of no further effect  
as far as he the said  
Bliss is concerned  
he having by the receipt  
of the said twenty four  
shares of stock been  
reimbursed for all claims  
whatsoever which he might  
have under the afore mentioned  
Contract between the said  
Edison Brothers & Bliss.  
In witness whereof I have  
signed my hand & seal to be  
set at New York day of \_\_\_\_\_ 1879.

2

Cable

June 24, 79

Paris  
via New York June Twenty fourth

Edison  
Minto Park N.Y.

Edison N.Y.  
Cable like Motographos

sent

Puskas

L  
SH  
Nash

✓  
Paris  
25 June 1899.

Dear Sir,

We cabled you yesterday to  
telegraphs when Motographs will be  
sent. Mr. Griffin wrote some  
times ago that they would be  
shipped from New York June  
2nd. We are in great need of  
the motographs and cabled in  
order to know how to shape our  
operations. Enclosed herewith  
you will find Memorandum of  
Contract in accordance with your  
suggestions. We have engaged your  
Nephew with the Kewanee Company  
in order to prevent his engaging  
with Dr. Perry. He has an  
excellent opportunity which we

hope he will improve. We  
advised him strongly to return to  
you, offered to advance him  
money for that purpose, but he  
did not see fit to accept the advance  
of the offer.

Very truly Yours  
W. D. Bailey.

Thomas A. Edison, Esq.  
Menlo Park  
New Jersey  
State of Ohio

[FROM CHARLES P. EDISON]

Paris June 26<sup>th</sup> 1877

Dear Al-

Not having received an answer from my letters after waiting a considerable length of time I anticipated that you were disengaged with operations in England and proceeded as I had intimated in my last letter. I accordingly made arrangements to stay in Paris for Tuscar and do the telephone work for the French company. On your last letter you ask me to come home, in but before acting I will give you the situation here and await your reply. Of course as you are aware there is no one here who is familiar with the telephone both old and new and all the work has been done by a man Barton a very nice fellow but way off in regards telephone - when I went with them they had not completed a telephone, they had one hundred cross telephones and could not get them to

work, and also they could not get a transmitter that was worth a damn - I went to work to strengthen things out and get some instruments which would work - I tackled the crown first and got rid of all the bugs. They were in fright full shape could hardly feel any magnetism in the magnets, in making them they used some cheap steel that would demagnetize before you could bring them from shop to the office. "Almeor" I have taken them all off and have sent for some first class magnet steel in the south of France and will get over that bug the next one was the spool wound like yarn and of all kinds of resistances and put in in such a manner that by turning <sup>adjustment</sup> the magnet beyond a certain point it would break the connections - the next one was the diaphragm it was of of iron just like stove pipes and all buckly

(13)

and bent off out of shape and smeared all over over with Japan and in every case they were squeezed in the receiver so they would not move over the ends of the magnets for which purpose the spiral springs are for in fact every part of the crown was N.G. except the rubber cases. I took them back to the shop and some pay will have to be thrown away and others can be fixed over. I stay there about half the time and see that everything is done right. I had five finished to day and they work as good as the American ones now. and will probably have the rest finished in about two weeks. in regards transmitter the difficulty was in the diaphragm and the carbon buttons. I have thrown away the old diaphragms and have some good ones now the carbon buttons they were using you could sling 'em around the room and were as hard as a brick and a perfect conductor with the slightest

(14)

pressure. I make all my own carbon buttons now put them in an adjust and our telephones are all as good now as any we have had here and as good as I have heard. we have two men putting telephones together and beginning to get some telephones that work. I told Mr Berthou the day I received your letter that you wanted me to return and he said he would write you about it, has he?

as he is very anxious for me to stay for a while, Berthou is the manager of the company - we have been trying the telephones on some of the wires here last week we showed the telephone before five thousand people at the Grand "dance" of the Central School of Engineers and worked bang up Hower was there and had his telephone all over the house but he looked

(4)

sick and his telephone sister I was wishing I had only a new Receiver there. Tuskas and Bailey want to show the new Receiver off in Paris as was done in London to revive it again and want me to work it for them - I think it would be a good idea to give a few good exhibitions here or at least one to the press. it would put a little life into the telephone. We are about to put up some telephones in the Grand Hotel here to different parts of the house - Brown from N.Y. arrived here this week he has been helping me on telephones a little - I think he is a good man for putting up telephones etc but he is at sea hunting for bugs he leaves again for London next week he is with

(5)

the Continental Company and will  
be out of Paris most of the time  
when you send New Receivers for here  
send me some acetate of mercury  
same as I used there dont think  
can get it here =.

You say you cant comprehend what  
all this trouble is about - well! thats  
queer. I thought I put it forth very  
strong in my letters - nevertheless we  
wont discuss it now =

Who is Doi Herz? when I was hang-  
around waiting for Bailey he came  
to me and offered me \$300 month  
to work for him = It would of been  
a great relief to the "Quoted community"  
but the "Quoted community" didnt accept  
no new from England except that  
Gouraud has returned - I enclose  
an account of <sup>\$100</sup> ~~money~~ spent by me  
which I received from you

Yours Truly  
Bailey

1  
Edison

June 26 79  
3:00 PM

Menlo Park  
New Jersey

Date photographs important

Baird

T Paris  
m. 9.

1  
Prokas Paris

June 26, 79

3:14

Ten days

4 Menlo Park June 26

7:45 PM  
19 Ky



Kais. und Koen.  
Oesterreich-ungarisch-General Consulat  
New York.

ad No. 1397

am 28 Juni 1879

T. A. Edison, Esqr.  
Maggalo Park & N.Y.

Dear Sir,

A certain abroad would like to  
get information, what the price  
was of one pair Electro chemical  
Telephon, described in the Scienti-  
fic American Vol XX No 17 Apr. 26.  
pag 26a. Please answer as soon as  
possible.

Respectfully  
for the Austro-Hungarian Govt.  
The Chancellor  
Dr. Mayer

Instrument will be in Paris, in few months - your firm please add.

NEW YORK,

July 1

1879

Edison Telephone Company of Europe, Limited

TO PORTER, LOWREY, SOREN & STONE,

MONTHLY STATEMENT OF DISBURSEMENTS.

*A Disbursements as per bill rendered June 1*

103.61

New York July 2-79

J A Edison Esq  
Dr Sir

Is there anything to prevent my  
selling your Telephones for export to Germany?  
If I do not the Gold & Stock probably will, in which  
case your royalty would probably be less from  
them than what I pay - I have a party in town  
who wants quite a number - a dozen or  
more. - Please telegraph me tomorrow ~~on~~ (Thursday)  
if I can go ahead with the sale -  
If not too much trouble please let me know  
by mail what countries I can sell them for -  
Also if you can furnish me with a pair  
of your new ~~Micrograph~~ Telephones & at what  
price

Very Truly Yours

L A Ludwig

577 Degt St

NY

Reps for to  
Bureau Telephone Co

Paris

7 July 1879.

Dear Sir,

We duly received your telegram saying that the photographs would be sent in ten days I've sent you another to-day making enquiry whether they have been sent. It is of great importance to us at this moment to have the photographs in hand as it would enable us to attract a great deal of public attention and aid us in the moves we are about making. The day before yesterday the Telephones were put on at the Ministry of Telegraphs in the office corresponding in the office corresponding in France to the operating room at the top of the Western Union Building. I've worked them with great success in the presence of all the Chiefs of Bureaux of the Administration between Versailles & the Office - each one of these persons seated himself in turn at the Telephone & conversed with the Office at Versailles & on rising made the comment "perfect, perfect". This is the only case in which any Telephone has been able to work under such circumstances. The Gower & The Bell as well as Siemens have utterly failed in all such tests. The Wire given to us was a single wire in a Telegraph cable. We are now pressing our application for a Telegraph cable & Commission & are promised immediate & favorable action. We are also pushing actively for the organization of the Telephone Exchange & expect by the close of next

5. Paris July 1. 79  
 J. A. Edison  
 New Jersey  
 No reply

week to have our first instrument up. Our  
 experience with your Nephew is not satisfactory.  
 We find that all the time he has been in our  
 employment he has been in communication  
 with the Herz party and as we understand  
 has accepted an engagement with them. In  
 speaking to him a couple of days ago in regard  
 to the matter referring to the contract which we  
 had made with him for 6 months, he showed  
 himself quite a good lawyer in saying that it  
 was true that he had made an agreement with  
 us but that the agreement was binding on us  
 and not on him. We think this does more  
 credit to his legal acuteness than to his sense  
 of honour.

I am, Very truly Yours,  
 F. M. Bailey.

J. A. Edison Esq  
 Mendocino Park  
 New Jersey State Prison.

~~Write Bailey that I want it understood that~~  
~~I am not responsible for anything that~~  
~~my nephew may do. I shall have nothing~~  
~~to do with him.~~

Debit  
No. 11111

July 15, 79

Paris  
via New York

Edison Menlo Park

Edison New York

Cable whether motographs  
shipped  
Ruskas

Collect  
25-4

Cable July 15-79  
Ruskas Paris

Will ship Saturday

<sup>78</sup>  
5 Menlo Park  
\$390 July 15, 79.

2460  
- 9 92

1  
Paris  
via New York 16

July 16 79  
3<sup>30</sup>pm.

Edison  
Menlo Park  
N.J.

Edison  
N.Y.

Ship motographs French  
line Wednesday

Puskio

9 Collect 25-  
1 in date  
May 9

2  
Paris via New York  
July 23<sup>2</sup> 79  
2<sup>30</sup>pm

Edison Menlo Park

Edison N.Y.

Are motographs  
shipped

Bailey

7 Collect 25-

1 in date  
May 9

1

July 23, 79

Bailey Davis

were

Shipped Case Johnson

~~For~~ Dix Lombard

Eads

St. Marks Park  
July 23, 79

2:50 P.M.  
G.M.

758  
624



NEW YORK, *August 1* 1879

*The Edison Telephone Company of Europe Limited.*

To PORTER, LOWREY, SOREN & STONE,

MONTHLY STATEMENT OF DISBURSEMENTS.

*To. Amt due as per statement rendered June 1.*

103 61

F. Edison

Aug 1, 79  
1120

Menlo Park

New Jersey

Don't Cable nor write  
anybody about French  
or European telephone  
before receiving letters  
mailed today

Bailey

19 Paris  
Ma 4

John H. Porter.  
Gerrit H. Levey.  
Geo. W. S. Sear.  
Chas. Francis Stone.  
Geo. S. Hamilton.  
Win. L. Porter.

P. O. Box 1836.

Porter, Levey, Soren & Stone  
Attorneys & Counsellors at Law:  
No. 3 Broad St. New York.

Aug 2

1879

Dear Sir,

With you I kindly sent  
an amount of my bank  
bill for reimbursement.  
These bills are regularly  
sent out on the first  
of each month.

Yours truly  
R. L. Cutting Jr.

For R. L. Cutting Jr.  
Enclosed by.

[illegible]

**B** file

45, Avenue de l'Opéra

PARIS, 12. 4 Aug 1879.

My dear Sir: I do not write  
midnight in regard to my  
cable to you requesting you  
"not to write or cable about  
telephone business until  
I should get my letter"  
because three or four days  
more will unravel an  
intrigue that has been going  
on, and of wh. I don't  
have to write till I am  
sure of all the facts. The

the <sup>present</sup> ~~meditation~~, I confine  
the cables and key of me  
to write & cable nothing for  
a week after you shall  
receive this, within which  
time I will write you fully.

Yours sincerely,

J. F. Bailey

Edisonway

WESTERN ELECTRIC MANUFACTURING CO.

220 - 232 KINZIE STREET,

CHICAGO.

NEW YORK,  
42-44 NEW CHURCH STREET

AUGUST 11, 1879

T. A. EDISON ESQ.,

MENLO PARK, N. J.

DEAR SIR:---

A LETTER RECEIVED FROM MR. BEETLE, DATED PARIS JULY 28, CONTAINS THE FOLLOWING:

"I LEARN THAT THE HERZ COMBINATION, WHO CONTROL A HALF INTEREST IN THE COWER TELEPHONE FOR EUROPE, HAVE LATELY BOUGHT A TWO-THIRDS INTEREST IN THE EDISON TELEPHONE CO. FOR FRANCE. AS I UNDERSTAND THE MATTER, A GENTLEMAN BELONGING TO THE LATTER COMPANY OWNED A TWO THIRDS INTEREST, AND HE HAS SOLD OUT TO THE HERZ PEOPLE, AND AT A GOOD ROUND PRICE AND FOR CASH.

"THE LATTER PARTY ARE NOW PUSHING TELEPHONE DISTRICT MATTERS IN PARIS, AND HAVE AN AUTHORIZATION FROM THE GOVERNMENT TO ERECT OVERHEAD AS WELL AS UNDERGROUND LINES FOR THIS PURPOSE.

"CHARLIE EDISON LEFT THE EDISON TELEPHONE CO. SOME TWO WEEKS SINCE, AND IS NOW PUTTING UP THE QUADRUPLIX BETWEEN PARIS AND BRUSSELS FOR DR. HERZ."

CAN YOU INFORM US WHETHER THE ABOVE STATEMENT IN REGARD TO THE SALE FOR CASH IS TRUE? AND IF SO DOES ANY OF BLISS'S STOCK IN THE EDISON TELEPHONE CO. FOR EUROPE, HAVE A SHARE IN THE BENEFITS ACCRUING FROM THIS SALE?

YOURS TRULY,

*W. H. P. H. 10*  
SEC'Y

Chicago Aug 11 '19  
E. M. Watson  
and Aug 13 '19

anything takes place  
with telephone exchange  
~~that~~ does not affect  
the Co of Europe which  
has nothing to do with  
France

Blank No. 1.  
**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company **TRANSMITS** and **DELIVERS** messages only on conditions, excluding its liability, which have been accepted by the sender of the following message:

Messages are to be regarded against only by repeating a message back in the sending station for confirmation, and the Company will hold itself liable for errors or delays in transmission or delivery of **Unrepeated Messages**.

Messages are an **UNREPEATED MESSAGE** and is delivered by request of the sender, and is not to be repeated.

A. B. BREWER, Sec'y.

NORVIN GREEN, President.

Dated New York Aug 14 1879

Received at 3  
To Thos A Edison

THE TOP. Mr. Barker arrived last night.

R. L. Cunningham

5 Feb  
" 1944  
Frank

**READ THE NOTICE AT THE TOP.**



Copy)

Hotel Continental,  
Paris, Aug. 30, 1879.

Mr. E. E. White, Phil<sup>a</sup>

My Dear Sir: I trust you will pardon what may seem to be mixing myself in other people's business, if I write you frankly with regard to the management of your telephone interests and those of Mr. Edison here. I beg you will take it solely as an act of good neighborhood to look of you, for it has no other motive.

I spent last Sunday with Mr. Bailey at St. Germain, and he confided to me the state of the affair, begging me at the same time to confirm it from others connected with the administration.

I therefore spent nearly an hour

two or three days ago, with M. Rousseau  
who is the legal adviser of M<sup>rs</sup>. Godillot,  
Brancy, Chatais, Berthon & Evans. He  
seemed to me a hard-headed, shrewd little  
lawyer. Mr. Bailey says, he is also counsel  
of the Co. You have heard that Godillot  
& Brancy sold out their share in the  
present Co. to one M. Pellorce, a Jew  
"agent d'affaires" who bought it in the  
interest of the Gower Co. He also  
approached Iuskas and made him such  
offers that he, from that time, has used all  
his efforts to induce Chatais & Evans, the  
other commanditaires, & Berthon, who  
is a partner with Bailey & Iuskas, to sell  
out also. Rousseau met Pellorce, with  
his clients, & tried to find out his motive

in the purchase. He became satisfied  
that it was merely to crush out the  
Edison Co. in the interest of Gower,  
and that Iuskas was in league with  
him for that purpose - "bought up", as  
Rousseau said to me. He therefore  
refused to have anything to do with Pel-  
lorce, and advised his clients to stick  
to the present Co., which they pledged  
themselves to do. Iuskas has since  
done his best to prevent the development  
of your Co., opposed public experiments,  
insisted that no central office should be  
started till a very large no. of sub-  
scribers was secured &c.

Under these circumstances, Rousseau

advises that Fuskas' power of attorney  
from Edison shall be absolutely withdrawn  
and full powers conferred on Mr. Bailey.  
~~What I see~~ I should think this  
course absolutely necessary to protect  
your + Edison's interests.

In much haste

Yours truly

(Signed) George Walker.

45  
Paris  
2 Apr 1899  
Dear Sir,

It is a great honor for me to have had the honor of being consulted from the Commencement of the business with the telephone which bears your name, have been entrusted to draw up the Articles of Association of which you are aware after the necessary preliminary negotiations had taken place in which I naturally had constantly to take part.

More particularly I was and still am the adviser of Messrs. Bruny, Chatelet, & Rostin, and although I cannot say that I am the friend of J. Coeur I have attended at his place numerous conferences with the above gentlemen & Mr. Bailey as to the course to be pursued by the Society in view of the future position which the Society is justly entitled to expect in France.

I am still the adviser of the present Society & take part at almost all the conferences, being for object the transformation of the Society into one with a capital of 3,500,000 francs.

Our account of my assisting part in the

conference the members of the Society, especially Messrs Bailey, Burton, Holmsted have asked me to inform you of certain incidents which if they are not insurmountable ought nevertheless to be brought to your knowledge for the purpose of obtaining your aid in smothering them.

I have already had the honor of conferring as to these facts here with Mr Walker during his stay in Paris and he was also of opinion that you ought to be informed of what is going on.

The following are the incidents in question. It appears that Messrs Hearn Godillot & Brany have sold out their shares in the Society to a Mr Pellone; down to the present time however no regular document has been notified to the Society and therefore we must still consider Messrs Hearn Godillot & Brany as being still parties in it.

Though legal advice of Messrs Hearn Godillot & Brany I have not been doing for them in this negotiation between them and Mr Pellone, but for Mr Burton and incidentally for Mr Holmsted I have called upon this Mr Pellone.

Now Mr Pellone who is a financial agent wished to buy at par the shares of these gentlemen but was unwilling to state what end he was aiming at.

Therefore broke off all negotiations, not being

sitting below my club to treat Handfolded  
facing the they might afterwards find that they  
had never sold. I am sure I am sure

It has also been ascertained that Mr  
Pelloni is nothing more in law than the  
principal agent of the former Telephone Co  
of which Mr Roswell is one of the partners - Mr  
Roswell is the friend of Mr Puskas & Mr Puskas  
is in continual relation with these parties; these  
relations have induced Mr Puskas to pursue a  
course which is to the last open to suspicion; for  
instance Mr Puskas urged Mr Bartholomew to sell his  
part to Mr Pelloni and offered even a premium  
to Mr Bartholomew if he would sell his part. The  
former Telephone, according to Mr Puskas, is very  
inferior, the boy found to work it with all the  
the former Telephone boy. I am sure the above  
facts above, you will understand how the dealings of  
the other partners, Messrs Bartholomew, Bailey, Chertoff,  
Puskas are necessarily limited to precautions and  
enveloped in doubt.

Now is Mr Puskas a partner in the sense in  
which he ought to be as with the other partners, or  
is he on the contrary become the tool of Messrs  
Roswell & Pelloni, is he not more interested in  
the former boy than the latter?

However this may be it is certain that at the

I repeat, then, I have attempted one thing, namely, to  
 effect the transformation of the Company, it is  
 necessary to provide against every such obstacle  
 imaginable, which, by Mr. Pinkens, in the state  
 of uncertainty in which he places me, is it not well to  
 have in hand another Power, if coming from you  
 to Mr. Bailey, in order that, if, at the time, any obstacle  
 were placed in the way by Mr. Pinkens, the same might  
 be removed, and the transformation of the Society  
 proceeded with, without regard to the previous  
 power given by you to Mr. Pinkens. I had not add  
 that the pecuniary interests of Mr. Pinkens, would not  
 be affected. Besides the form of Power necessary  
 to be prepared against any obstacle as above, if Mr.  
 Bailey will only make use of this Power in case  
 of necessity, he would not use it if Mr. Pinkens  
 acted in accord with all the other Members of  
 the Society.

Yours, dear Sir,  
 Yours very obedient servant  
 J. B.

*(Handwritten notes on lined paper, mostly illegible due to blurring and handwriting.)*

Harrison

Pais  
5 Sept 1879

Dear Sir,

I have requested Mr White to hand you at the same time with this and other letters & Papers, a translation of the Contract with the French Gov in order that you may see exactly the situation of affairs. I will make a summary Statement of the conditions of the Contract in order that you may have the matter before you without the trouble of looking out the points in the Contract possibly overlooking some of importance.

The contents of the Contract are;

1. That Buckas & Bailey for themselves & their nominees are to receive from the present Gov 100,000 francs in Cash and 100,000 francs more was to be furnished by the French partners as Capital for commencing the exploitation & preparing for the transformation of the present Society into a share Gov with a Capital of 3,500,000 francs.

The 100,000 francs to Bailey & Buckas was duly paid & the remaining 100,000 francs of working Capital has been contributed as needed.

It is provided that on making the change from the present Company to the share Gov a further sum of 100,000 francs in Cash is to be paid to the owners of Patents and 500,000 francs in fully paid up shares of the new Gov, or if the share Capital should be made more than three millions & a half of francs the same proportion is always to be issued to the owners of Patents that is to say  $1/7^{th}$  of the total share



Capital.

You will see that by this Contract the silent Partners paid up 300,000 francs before the formation of the Share Company and 500,000 francs on the formation of this Company making 500,000 francs in cash paid up by them. For this 500,000 francs the Contract provides that on the formation of the Share Company they shall receive One million francs in fully paid up Shares so that on the transformation of the Company there would stand one million five hundred thousand francs that is to say 3000 Shares fully paid up to be divided between the owners of the Patents & the founders of the Company 1 Million francs or 4000 Shares of 500 francs each to be sold to the public or to such persons as this amount may be negotiated with at par to furnish the working Capital.

Of the 100,000 francs furnished by the silent partners as a working Capital about 20,000 francs remain in the Treasury, the Balance, to wit, 80,000 francs having been spent in furnishing the Office, in Rent, in the Construction of several hundred Alphabets of the various models, in expenses of public experiments & during the last few weeks of advertising & other expenses incident to making the Telephone known.

Two weeks ago we received the authorisation or Concession from the Government for the establishment of the Central system in Paris & the other Cities of France. By the conditions of this concession a deposit of 45,000 francs in cash is required by the Government before any wires can be laid

down - It is the Government that lays the Wires  
They require this deposit as a security that their ap-  
proval for work shall not be left in arrears in case of  
failure of the persons to whom they have given  
the privilege - As the whole amount in the  
Treasury of the Gov is as above stated only 30,000  
francs it became necessary on receiving the proposition  
from the Government to provide funds additional to  
what was provided under the Contract - As  
explained in my letter to Dr. White & Mr. Pellone  
having bought out Mr. Godilloto's share for the  
purpose of breaking up our Company it is  
impossible to furnish any funds in such a way  
as to make the Gov. as such responsible - If any  
debt were made by the Gov. in excess of the  
amount of cash at its disposal, this would give  
Mr. Pellone the right of moving in the Courts for  
liquidation of the Company, so that the money  
necessary had to be provided on the individual  
responsibility of the persons instead without appearing  
as a liability of the Gov. but not only was the  
amount of 45,000 francs needed to make the  
deposit with the Government but an amount of  
at least 50,000 francs additional was required for  
putting up Wires, pushing on the Construction of  
Telephones & for the establishment of the Central  
Office - I proposed to Mr. Parker some three  
weeks ago that he and I should provide one  
half of the amount required, as by the Conditions  
of the Contract the special partners collectively

on one side & Mr. Puskas 19. on the other share equally the gains & losses of the business it is evident that if any money was contributed for the purpose of carrying out the objects of our Boy, it should be contributed equally on the one side & on the other.

Mr. Puskas utterly refused to take any part in any such action either by way of guaranteeing against his interest his proportion of the amount required or giving any consideration to any persons other in the boy or out of it who should furnish the amount required on our side. I have referred in my letter to Dr. White to a Meeting held by the silent Partners with us Mr. Berthoud Mr. Puskas & myself the active partners in which a violent discussion took place between Mr. Puskas & Mr. Chataurt in the course of which Mr. Chataurt declared with reference to this money that was required he enable us to go on, he would not risk a cent in anything, where Mr. Puskas was to take any part, Mr. Puskas having previously declared in very forcible terms that he would do nothing towards providing any such funds. At the conclusion of that interview I proposed to Mr. Chataurt that the Partners, to wit, himself Mr. Berthoud & Dr. Evans should furnish the amount of 100,000 francs of which 45,000 should go for the deposit with the Government & 55,000 frs should go into the Treasury for the purposes above referred to and asked him whether they would put up one half of the amount for Mr. Puskas & myself a premium being conceded to them for the risk taken. They propose to do it on condition of

receiving the amount 10000 francs from the amount of pick up shares that should be coming to us in the transformation of the Coy. This premium was less than the money. could have been negotiated for with any Banker or any person outside of our Company, requiring nothing from us in the present stating the chances of repayment on the success of our Enterprise - As Mr. Prokav refused to take any part in any such transaction took the liberty of securing the persons concerned that you would take a sufficient interest in the success of the Coy. that bears your name & that your sense & experience of business matters were such as to warrant me in making the promise that you would agree to give 5000 francs of the 335000 francs of shares that are coming to you. I have accordingly signed an Agreement making myself personally responsible for your part as here stated.

I pass now to the Conditions under which we are about to make the transformation to the Share Coy. The 2 million of francs are quite likely to be negotiated with a Bank in the City of Lyons with which M. Chataud has relations during the course of a week from this date. The amount of 5 per cent will be paid to the Bank for furnishing 200,000 francs Cash working Capital that is to say a total of 100,000 frs. If a part of our silent Partners shares had not been bought up by an interest hostile to us there would have been no question that the charge of this

Commission would have been made on the shares themselves raised, that is to say on the 2 Millions of Capital. Marshall endeavours to carry this point and it is possible Mr Pellone will not oppose it. It is possible however that he will oppose with the idea that he will prevent the formation of the Company by such action. Should he oppose it seriously it would then be necessary that the Commission of 100,000 francs should be borne by the parties interested in making the transformation.

By the conditions of the Contract Mr Pellone would be required, on the transformation taking place to put up 200,000 francs of the 300,000 francs which is to be paid to us for the Patents - I should hereafter to do this, by Frankfurt in such cases we could refund him the money which he has paid to Mr Godillot for his interest (put him out of the Society). In this case we should be entirely free from the above question of the payment of the 100,000 francs Commission on the 2 Millions - I should say here also that Mr Godillot regrets very heartily having parted with his interest and that he is ready himself to make the reimbursement to Mr Pellone of the 135,000 paid by him & also to furnish the whole of the 300,000 francs required to be paid to us in addition. He is also one of our first subscribers in our Central system. Mr Peckes has shown himself since the commencement of our business so decided an ally of Mr Pellone

has worked with sublimine to endeavour to break us up, & failing in that to prevent our going on with our business, that we have no doubt he will take the same position in regard to this that he did in reference to our furnishing our part of the 100,000 shares required. It is on this account that the Power of Attorney has been prepared which is enclosed herewith & that Mr. Rousseau the Journal of the Company has written a letter which accompanies it & that I have felt bound to make the statement which I have made to Mr. White with the deepest regret as to the course taken by Mr. Pinkas. Both Mr. Rousseau the Journal of the Company & my own personal Journal have advised me for a month past to advise you of what was passing, but I have been very reluctant to do it & have only yielded at the point where I see that it is absolutely necessary - You will understand from the above statement that the opposing of the change of the Commission by the Active Silent partners is not considered very probable, true for as that it is possible that Mr. Pallone may make a move of opposing the changing of it on the shares themselves as a last means of securing the result for which he & Mr. Pinkas have been at work since the first July, to wit, making the Edison Telephone Co. start to the Right of the Power Co. - Should the change of Commission be shared amongst us it would fall in the following proportions,

The silent Partners receiving. 1,000,000

in shares,

The owners of the Patents . . . 900,000.

Supposing that the charges were  
borne by all the silent partners & the  
active partners it would stand,

The silent Partners, . . . 52632

Owners of Patents . . . 47368

And the silent Partners Mr Berthou Mr Chataud &  
Dr Evans would be the only ones contributing, as we  
suppose Mr Pellone who holds the Balance of the  
silent interest to stand outside & to be opposed to making  
any such Contribution - leaving Mr Pellone out of  
the question we should stand as follows;

Owners of Patents . . . 47368

Mr Berthou . . . 6878

Mr Chataud . . . 3947

Dr Evans . . . 6578

The part which Mr Pellone should  
contribute would be 35,526

This amount in the extreme case I have  
supposed of his resisting the charging of the  
commission on the shares issued, refusing also to  
bear any part of it himself, would have to be  
divided between the owners of the Patent & the  
remaining silent Partners pro rata - This division  
would stand as follows;

Owners of Patents . . . 26107

Mr Berthou . . . 10204

Mr Chataud . . . 6122

Dr Evans . . . 10204

The totals borne by the owners of the Patents

collectively & the remaining silent Partners collectively would be respectively,

Owners of Patents . . . 73469  
 remaining silent Partners . . . 26531.

As between the Edison interest & ours the division would stand 2/3<sup>ds</sup> of the amount of 73469 to you & the Balance to White, Gray, & myself as you receive 2/3<sup>ds</sup> of the amount realized. I should say here that the amount of 100,000 francs which has been provided by the silent Partners & by myself assuming to represent you as well as those directly interested with me will in the transformation of the Coy be realized. It will not constitute also occasioning a further deduction from our respective interests. The 45,000 francs deposited with the Government will be assumed by the New Company and the 55,000 francs or such part of it as may have been spent in the construction of the Central system will also be reimbursed by the new Company. It will probably require a month or 6 weeks to form the new company even should the Treaty be concluded as it may be within the next 2 or 3 days. Had not Mr Pelloni interested himself in our Company there would have been no risk in furnishing the amount of 100,000 francs required for present operations, but the presence of a imagined enemy in our Camp creates in a certain business sense a risk which would have made every difficult to raise any money outside of the persons directly interested. I feel no doubt as to which side your sympathies will be when you



know of the contest that has taken place. I do not  
 doubt either that you will see the importance to your  
 interests of not allowing your Company to be swallowed  
 up by the Gower of the Gower Co. Had  
 the Gower Co succeeded in their attempt to swallow  
 us up it would have affected your interests as well  
 as those of all persons connected with you not only  
 in France but in all Europe - In fighting the  
 Battle here we are in fact fighting it for the  
 whole Continent & the prestige of success here assures  
 no success elsewhere. I think it would have  
 been a very ridiculous spectacle Mr Gower who has  
 made a trifling modification in the original Bell  
 Telephone putting Mr Edison & all those associated  
 with him in his pocket & having it pass current  
 all over Europe that the Gower Telephone has  
 taken precedence of the Edison has swallowed  
 it up in France. It is considered by experts here  
 very doubtful whether the Gower Telephone will  
 work at all in a Central system in a large city,  
 but Mr Bakas during 3 or 4 weeks laboured earnestly  
 & violently to persuade Mr Berthou & the others  
 interested in the Edison Telephone Co that the  
 Gower Telephone was a better Telephone than  
 yours for the Central system & that we should  
 abstain from a competition. When he  
 undertook to talk to me in this way after I  
 became satisfied that he had allied himself with  
 Mr Bellou I refused to talk to him & have not  
 the discussions about many times with the

statement that I had no time or strength to waste in such talk, but that my time & strength belonged to the Edison Telephone Co., that I intended to make it a success. We have been obliged not only by the fact of Mr. Puckas constant obstruction & opposition, but by the declaration of all the persons interested that they would put up no money unless this course was pursued, to entirely ignore Mr. Puckas and to withhold from him as far as possible all communications & confidence. Mr. Brown who is busy in organizing our Bureau has been directed to listen politely to anything Mr. Puckas has to say to him, but to make no reply. To go on with his work without allowing any interruption through any suggestions or recommendations made by Mr. Puckas -

We have now as subscribers to the great system, *Société de Gardien*, his journal, *La France*, the Bank of which he is President, *la Banque Nationale*, the journal *des Débats*, *Le 19<sup>e</sup> Siècle*, *Le Gaulois*, *Le Figaro*, *Le Gaulois*, the Bank *Société Générale* (Capital 50 millions) quite certainly also the *Société Générale* a Banque with 40 branches in Paris & the *Crédit Lyonnais* with 22 branches. We have also 4 out of 5 of the great Railway Companies with centre in Paris & a number of private individuals & institutions of less prominence than those above mentioned. We shall commence next week to put up the wires for our first Office with from 30 to 40 subscribers. It is proper for me to state here circumstances

which had Mr. Probas taken a different course would never have been communicated to you. When we first joined forces a year ago last June Mr. Probas was offered 50,000 francs for your Patents in France - I begged him to accept no such trifling offer as that represented to him but to benefit by the union of our interests. I told him that I would guarantee him 5 or 14 times that amount if he would allow me to negotiate solely for both of us I would furnish all the money for public experiments involving the Press &c. He yielded to my representations & the parties who had made the offer of 50,000 francs funding him associated with me offered 100,000 francs for the Patents if he would break off from me. I had difficulty in preventing him from engaging himself I told him then that I would guarantee him that he should get at least 200,000 francs for his Patent & that I would agree to take nothing for ours until he got that sum.

Our Agreement was made on the basis of a mutual division which was considered by both of us a fair one in consideration of the fact that the money & the work were both contributed on our side. While the business was going on here I spent with the Press, in public experiments & in other ways directly connected with the pushing of your Patents in connection with ours an amount of not less than 25,000 francs I furnished Mr. Probas in addition money for his personal expenses which was beyond the terms of our Agreement to an amount at the time the business

was closed of upwards of 10,000 francs of which he still owes upwards of 7000 francs. While the long examination of our Patents was taking place early in November Mr Puckee came to me and told me that he had an offer for his Patents & that he desired to sell them apart - I represented to him the injustice of such a proceeding under the circumstances above recited, but finally as the only means of not breaking up I conceded that he should have 2/3rds of what we would take 1/3rd of the proceeds of the business done here. The circumstances in which we were placed at the time of this occurrence were very trying ones while I had a certain judgment in regard to Mr Puckee's action I imagined some excuse that could be made for it & allowed it to pass without further observation. The disregard shown by him during the last 2 Months of all obligations of honour & contract, the entire lack of ordinary common sense in business matters, & the violent obstructions interposed by him against all attempts made to carry forward the business of our Company not only relieved me from all obligations & imposed as a duty the communication to you of the facts set forth in the letters addressed to Dr. White & in this letter. Against his plotting, obstructions & violence we are now sure of a brilliant result & one that will give both Credit & Profit to you & to all concerned not only in France but in the other countries of Europe. You will see from the letters addressed to Dr. White & from the letter addressed to you by the Council of the Company that we consider it necessary to have deposited in Paris

where it can be used if necessary a Power of Attorney revoking the Power granted by you to Mr. Tucker - Notwithstanding all that has passed with Mr. Tucker I shall carefully avoid except in case of absolute necessity having recourse to the use of this Power & should believe the course which is necessary in order to secure the transformation of the boy it will not only not be produced, but the fact of its existence will not be known unless communicated by you. As Mr. Tucker holds no Power of Attorney from the Edison Telephone Company of Europe as soon as the business is finished here in France his position towards the business in other parts of Europe will not be such as to place your interests & those associated with you in danger & my desire & effort will be to avoid any further difference or difficulty with him. I am bound to say to you that the opinion that I expressed in regard to Mr. Tucker when I saw you in the States has been entirely changed by the occurrences of the last 24 months and I consider it a very fortunate circumstance that Mr. Tucker suggested the idea of forming a boy which saves the interest of all persons concerned from such dangers as they have been exposed to here in France.

You will find enclosed the draft of a Power of Attorney prepared by Mr. Rousseau & it is very desirable that it should be executed without any delay & forwarded to us to be used according to the circumstances stated in my letter to Mr. White or in such other way as may seem to you & that shall secure the result set forth in this correspondence.

I have entirely abstained from writing both to you & to White during the last 2 months. I desired avoiding making any statements which would in any way prejudice Mr. Packard or that should even indicate that there was any difference in our views.

From this time forward I shall write you regularly & fully as to what passes. You will have seen from the 50 & 40 journals sent you in the last week that I have followed the policy that I told you I should follow, of putting forward your name only in connection with the Telephone matters. I think you may count with certainty on getting out 15000 dollars in cash here during the present month. I consider it most probable that you will get out the full 20000 dollars, but should Mr. Pellone decide to attempt to stop the progress of the Edison Telephone Co. of course in the way above indicated, I have no doubt that you will prefer to receive 15000 dollars in cash (the one half of 333000 francs in shares from a Co. whose only object will be to push your name & your inventions as the means of making money from the investments which have been made in good faith & mainly from the confidence felt in your inventive genius - I will add though I think unnecessarily that no person interested desires in any way to do anything to affect Mr. Packard's contribut. interest in the company whatever view we may have as to the good faith or the good sense he has shown

16

towards us and towards you individually and  
collectively.

Truman, dear Sir,  
Very truly Yours,

J. D. Bailey

T. A. Edison Esq.  
Menlo Park  
New Jersey.

Paris 6 September 1899

Monsieur Roussau

113 Boulevard Sebastopol

Sir,

I undertake to give a Commission of ten per cent in paid up shares when the transformation of the Société du Téléphone Edison shall be realized and this independently of the interest at 6 per cent to the lenders if you promise to be lent to the present Society a sum of One hundred and thousand francs to await this transformation whether by the present Members whether by any others and repayable immediately the transformation shall be made. For myself I promise that Mr. Evans will do for his part in this loan what Mr. Chastard and Mr. Barthou will do, but not that he will do more than either one of these gentlemen. He will do his third part, and if the sum lent is not 100,000 francs it shall not be less than 75,000 francs and it is ten per cent of the sum really lent that I undertake to pay you as Commission.

J. F. Bailey



T. A. EDISON.

1  
Menlo Park, N. J.,

Sept 22 1877

Dr. Saul S. White  
Philadelphia Pa

I suggest having telephone  
meeting here on the twenty  
fifth Please reply  
T. A. Edison

12-57

8 am  
9 Ho

Société du Téléphone Edison  
45 Ave de l'Opera

Paris Sept 22, 79.

G. L. Wiley Esq -

Dupl. (4012 9d D'All Tel Co)

My dear Sir

Will you kindly forward receipt, and all other information as to shape of molds &c, for making the box of Poney crowns. We have already ordered the necessary materials but require more, particularly the details as to mixture and shape of molds.

You will please excuse my troubling you but know of no other person to whom to inquire off -

Trusting you are quite flourishing in the Telephone line and also personally I remain

Very Respectfully

R. L. Brown -

Electrician & Dupl.

Recd Oct 1/79

it is a trade secret  
they can be recalled here  
if sent over there  
and then will cost  
over 2000 francs

Paris Sept 22 '79  
R. E. Brown  
Ref. to G. H. Wiley  
Ans'd by R. E. Oct 13, '79  
see letter book

317 OCT-6'79

H. E. Brown. Supt. in  
Sept 22<sup>nd</sup> 79 Paris. France

Wanted all information as to  
molds used for making box of  
Tong Brown.

G. A. Edison Esq.  
Manh. Park. N. Y.

Dear Sir,  
I am unable to give to  
Mr. Brown the information he asks  
within - I beg to hand you the  
letter in the belief that you  
will be able to do so.

Very Respectfully  
G. H. Wiley  
Supt

Oct 10/79.

RÉSEAU TÉLÉPHONIQUE DE PARIS

SOCIÉTÉ

Téléphone EDISON

Breveté S. G. D. G.

Autorisée par l'État

Pour l'exploitation de réseaux téléphoniques

à Paris et dans les principales Villes

de FRANCE

SIÈGE SOCIAL: 45, Avenue de l'Opéra.

A. BERTHON & C<sup>ie</sup>

INGÉNIEUR

Ancien Elève de l'École Centrale

des Arts & Manufactures

CONSTRUCTEURS

des Téléphones EDISON

PHILIPS & GRAY

Exposition Universelle de 1878

RÉCOMPENSES DÉcernées AUX INVENTIONS

d'EDISON et de GRAY

Deux Grands Prix

APPLICATIONS DES TÉLÉPHONES

RÉSEAUX TÉLÉPHONIQUE

Administrations, Ministères,

Chemins de fer, Services télégraphiques,

Établissements publics et industriels,

Marine, Arts industriels, Voyages domestiques,

Hôtels, habitations privées, Appartements,

Châteaux, Exploitation de mines

et Agricoles etc.

Paris Sept 24, 99-

Thos Q. Edison Esq

My dear Sir -

Please forward the  
circuit for making latest drawings  
for small photographs, with full  
directions as to unfolding and about what  
consistency and mixture should have  
when ready for molds. Also please  
send drawings with full particulars  
as to their make - of the necessary  
molds &c. And what amount of  
pressure is required.

In addition to the above we desire  
similar information for making ac-  
tually earbore for your last micro-  
phone.

I might add we are re-  
quired by the French patent laws to manufacture the  
article in France provided such patent has been granted.  
And as we have both of the above patented here we  
cannot manufacture

Trusting you will assist us with an immediate  
reply we beg to remain

Respectfully yours  
A. Berthony & Co

S. Brown

Give me pencil to get a piece of chalk  
from a drawing to see if it will  
be a good thing to use in drawing them too pen  
used for 13.21 each

Here a drawing of press to measure  
of die, of button that go in die  
all in Millimeter or French  
measures. - Pitch screw and  
the pressure. Have Balometer  
to make calculations of one of  
the washers so they can  
get right pressure by coming  
down to surface of die

The Chalk used must be  
English Chalk. called  
Creta Precipitata (get right kind name)  
give proportions.

Say in Letter that the Microphone  
Telephone used in the work has  
has proven a failure as it is  
unreliable. I might work for  
month all right but so all day  
working at same time shows up  
defect which in all microphone  
has been. So from result obtained  
in London we have a good idea  
Regular Call (small of volume)  
from a more sensitive and it is reliable

Don't forget to  
get the  
Oct 1. 1917

Phila 26  
T A Edison

Sept 26  
11:35 am

Do not Cable anything  
till you hear from me  
again.

S S White

10 paid  
s

Bureaux de ROOSEVELT & C<sup>ie</sup>

1, rue de la Bourse, 1

PARIS, le 3 Octobre 1879.

Agence de Londres

Messrs. NATH. HOLMES & Partners  
8, Great Winchester Street Buildings

E. W. Johnson Esq.  
Dear Sir,

Agence de New-York

Mr. HILBORNE L. ROOSEVELT  
40, West 18th Street

INTRODUCTION et PLACEMENT

En Europe et en Amérique

DE

BREVETS

ET

ARTICLES BREVETÉS

Examen d'Inventions

283

I am in receipt of  
your long and interesting letter of Sept 26<sup>th</sup>  
and have not answered it before on the  
hope of having something definite to say  
to day we are to have a grand battle  
to see if we can arrive at a fusion of  
the various telephone interests here into a large  
company with a Capital of \$2,000,000  
I do not know with what result of course  
The Societe des Telephones Edison is at  
present somewhat as follows: It has a  
Capital of 200 000 francs. 100,000 francs have  
been paid to P. G. & B. Bailey Perkins 2/3  
& Bailey 1/3. The remaining 100,000 francs was  
for running expenses. It is all spent  
I and my friends have bought of this 200,000  
francs 130,000 francs this morning as a preliminary  
interest of the stock. This contrast with  
their capitalists so much that when the  
proper time arrives they will receive  
in Cash 300,000 francs & in stock 500,000 francs  
The Capitalists taking in return for their  
advance of 1 1/2 200,000 francs and 2 1/2 300,000 francs in cash  
there to the limit of 1,000,000 francs. In other words



# Bureaux de ROOSEVELT & C<sup>o</sup>

1, rue de la Bourse, 1.

PARIS, le

18

Agence de Londres

Messrs. NATH. HOLMES & Partners  
8, Great Winchester Street Buildings

Agence de New-York

Mr. HILBORNE L. ROOSEVELT  
40, West 18th Street

INTRODUCTION et PLACEMENT

En Europe et en Amérique

DE

BREVETS

ET

ARTICLES BREVETÉS

Examen d'Inventions

etc

They are to get their stock at 57 1/2  
The total stock of the Company is 3,500,000  
frances - So you see that the Company  
to be formed would be as follows -  
Capital 3,500,000 frances  
Purkus & Bailey { 900,000 } "  
Capitalists { 600,000 } "  
Leaving 2,000,000 with which to run  
the business.  
A very nice scheme if it can be carried  
out. In all this Purkus receives 2/3 and Bailey  
1/3 and Purkus informs me that of his  
substant Edison will receive one-half -  
So much for the Edison Telephone now  
for the Gower Telephone - We have also a party  
of capitalists backing us only we have 1,000,000 frs  
of which we have received Gower & I 250,000 frs  
we could have the rest with which to develop  
the business when we form a stock company  
we are to receive 1/2 the benefit  
The Blake could have they own managed to  
raise some 400 or 500 thousand frances to back  
them up - now as to results.  
The Gower Telephone has about 100 subscribers at  
750 frances a year total income = 102,500.  
The Edison say 60 at 600 frs = 60,000  
" Blake " 200 at 400 frs = 80,000  
As you see there is a great difference in the  
price of subscribers. Well what we propose is this  
to begin with of the 10,000,000 frances 3,000,000  
is allowed for the patents  
We propose to allow the Edison 1,200,000 frs  
the Gower 1,200,000 frs  
the Blake 600,000  
3,000,000 of fully paid  
of stock in the new company the whole of which  
is to be syndicated for 6 months for mutual benefit



(3)

# Bureaux de ROOSEVELT & C<sup>ie</sup>

1, rue de la Bourse, 1

Agence de Londres

Messrs. NATH. HOLMES & Partners  
8, Great Winchester Street Buildings

Agence de New-York

Mr. HILBORNE L. ROOSEVELT  
40, West 18th Street

INTRODUCTION et PLACEMENT

En Europe et en Amérique

DE  
BREVETS

ET

ARTICLES BREVETÉS

Examen d'Inventions

30

PARIS, 16 13  
The Bourse being very favorable at  
this moment there is no doubt but that  
the whole Capital will be subscribed  
4 or 5 times over and that the stock  
will be worth at least 75% (instead of par 100)  
immediately and will then rise or fall  
according to the fluctuations of the Bourse.  
For me it is a way to immediately realize  
a very handsome profit. Well in principle  
Banks & Banks do not object but they  
insist on receiving in money the 500,000  
francs which under their present contract  
they would receive (and I can hardly blame  
them I think if I were in their place I would  
do the same) and the truth is to find the  
people who will advance this sum in money.

So far so good but here is the grave point  
of the Edisons as do not join the company  
never ~~may~~ combine with the Polars and issue  
a stock company just the same having Edison  
out in the cold and in my opinion in a  
very bad box as <sup>12</sup> ~~the~~ without finding what they  
may say to the company then are some of the  
best Patent agents in the country who know  
Edison's Polars as well as to prevent others from  
using Edison's Polars and using them.

2 It will be almost impossible to float this stock  
company.

3 They have no money with which legally to  
continue their present society. But I prefer  
to persist in hoping that we will come to terms  
and so beg you to wait a few days for  
a second letter in which I will give you  
further details.

Yours truly,  
Cornelius Roosevelt.

7 Rue Cambrai  
Paris, 10<sup>th</sup> October 1899

I Received of Mr. Roosevelt the sum of one hundred  
& sixteen thousand two hundred and fifty francs in a  
Bleque to my Order payable tomorrow at Messrs. Lullmann  
& Co for agreed price out and out of the half of the Communauté  
of Messrs. Godillot and Manzey in the Trinity Edition, the  
said half being of sixty seven thousand five hundred francs,  
it being here explained that the other half already belongs to  
Mr. Roosevelt. In consequence of this payment of 166,250 frs  
the Communauté of Messrs. Godillot and Manzey (amounting  
to 185,000 frs) or 300,000 in all) in the Telephone  
Edition Avenue de l'Opéra 45 belongs entirely to Mr. Roosevelt  
to whom I will hand the duplicate of the deed of partnership  
and to whom I will make the transfer by Mr. Godillot  
& Manzey (in his or my other name but at his expense)

Paris 10 October 1899

(signed) A. Pollicius

Paris  
10 October 1879.

Dear Sir,

I have only time to advise you today that arrangements have just been completed for the fusion of the 3 Telephone Companies in France (the Edison, the Gower, & the Bell). The Basis of the fusion is 8 millions of capital of which 4 millions & a half is paid into the Treasury. 8 millions & a half divided amongst the capitalists & owners of Patents already interested. The proportions between the 3 Boys is:

44 2/3 to Edison

33 1/2 to Gower

24 1/2 to the Blake Bell.

The provisional Contract for the fusion will be signed tomorrow & the whole business will be closed up as soon as the proper Statutes can be framed & the necessary legal formalities complied with. The full amount of the Cash Capital is put in without any public subscription amongst the friends of the several Companies - I shall write you full details by the next mail.

J. A. Edison Esq

Yours truly  
J. J. Bailey Esq.

The undersigned

1. M<sup>r</sup>. Edouard du Chateau residing at Paris Rue de la Michodiere 4 & M<sup>r</sup>. Ericus Roosevelt residing at Paris 12 Rue de la papeterie of the Telephone Society former 66 Rue de la petite Champs Paris of the one part.
2. M<sup>r</sup>. Joshua Franklin Bailey of St Germain en Laye N<sup>o</sup>. 10 Rue Clusiers of the Society A. Balthon & Co for the Telephone Edison and others 45 Avenue del'Opera Paris of the other part.
3. And M<sup>r</sup>. Leon Soulerin of Paris 74 Avenue de Villiers of the Society Blaise 7 Avenue del'Opera of the other part.

Agree as follows;

Art. 1

The three Telephone Societies Edison former & Soulerin shall be fused in one and the same Society in the anonymous form with a capital of 8 millions of francs divided in 16000 shares of 500 francs each of which 9000 to be subscribed and 7000 to be attributed to the three old Societies as representing the property brought in by them and in the following proportions.

To the Society Edison	1,548,500.
To the Society former	1,102,500
To the Society Soulerin	849,000

Art. 2.

Reserve and priority is made to each of the old

Societies to subscribe the 9000 further shares namely.

By the old Society Edison	1,991,500
By the Society Gower	1,417,500
By the Society Thomson	1,091,000

Art. 3

The profits to be divided shall be attributed in proportion to the ownership of the shares.

Art. 4

The Board of Management shall be of 12 members named under the Statutes for 3 years and those members shall be chosen;

5 By the Edison Coy

4 By the Gower Coy

3 By the Thomson Coy

The president shall be *Mr. Foulard de Carville* of the Thomson Coy.

Art. 5

The 12 members of the Board in question shall receive for preliminary mission to settle the form of the Statutes and to submit the same to the Notaries who shall be charged to put the same into legal form. They shall vote by the majority, & must be at least 9 in order to vote validly, the president shall have the casting vote.

The Board of Direction shall select and designate the principal office and generally all things connected with the said Statutes - It shall settle the value of the stock and furniture of the business, the lease of each of the 5 Companies and the whole amount shall be repaid

to each of the three old Companies each according to its interest.

Art. 6

The funds subscribed shall be deposited with the Credit Mobilier as the treasurer of the Company.

Art. 7

By express Agreement all the shares shall be syndicated for 6 months from the date of the definitive Constitution of the Company. The Syndicate shall be composed of three members one from each of the three old Companies - The syndicate shall be the sole judge of the price at which the shares may be sold.

Art. 8

Each of the undersigned engages himself for the whole of each of his co-partners in the old Society of which he forms part.

Made at Paris the 14 October 1899

(Follow Signatures)

3 Cable

Oct 15. 1879  
5:10 P.M.

Edison  
Mentlo Park  
New Jersey

Three companies united Capital eight  
Millions Edison forty five per centum  
power 31 Blake 24 Company  
remainder Europe forming Puskas  
makes trouble send Power drawn  
by House on Saturdays mail your  
Money ready Telegraph White & Co  
Banker Cable directing me represent  
you pending arrival power will use  
neither unless indispensable address

Bailey  
Paris

57 1/2 Paris  
2 1/2  
43 3/4  
78  
42 1/2

Oct 16. 79  
12:53 P.M.

Paris via New York 16

Edison Mentlo Park N.J.

Edison  
N.Y.

Never dreamt of transferring  
anything Bailey's conduct  
shameful Please be sure  
I shall fight to best ability  
for your interests  
Puskas

22 N.H.  
Le G.

5 Cable Oct 15 79

Puskas - Paris

Take no steps towards  
transferring my Telephone  
interest. ~~You give me~~  
~~information of what is going~~  
~~down~~ Bailey constantly  
telegraphs ~~me statements~~  
you afford me no information  
to judge of truth his statements

78  
24 1/2  
3 1/2  
13 1/2  
187 1/2  
21020 P.M.  
G.H.

# Bureaux de ROOSEVELT & C<sup>ie</sup>

1, rue de la Bourse, 1

PARIS, le 16. Octobre 1907.

## Agence de Londres

MESSRS. NATH. HOLMES & Partners

8, Great Winchester Street Buildings

## Agence de New-York

Mr. HILBORNE L. ROOSEVELT

40, West 18th Street

## INTRODUCTION et PLACEMENT

En Europe et en Amérique

DE

## BREVETS

ET

## ARTICLES BREVETÉS

Examen d'Inventions

23

My dear Mr. Johnson

Yours of Oct. 11<sup>th</sup> was duly received and I have delayed answering until now in order to have something definite to say. The future of the three Companies is now a settled fact and I hasten to say that I consider that Mr. Bailey has obtained the very favorable terms thanks to his unerring efforts and ability and in face of almost insurmountable obstacles.

As a basis of operations we as you pretty say have been obliged to leave out of the question the merits of the different instruments in face of peculiar local difficulties of a most grave character. The part of these and the most important is the hostility of the Government and the necessity of having to make a better fight. I, to avoid the cutting under of prices and to establish a fair price I, to prevent some companies entering in the field owing to the new patents being on the Public property. These reasons are very strong ones but here is one more. The French Company had \$200,000 to spend the Louisiana Blake Co \$200,000 to spend & the Edison was also well backed instead of using this money uselessly in fighting me, first it is one lump. The Capital of the Compagnies Generales des Telephones is 8,000,000 of francs or \$1,600,000 - every penny of which is already subscribed.

# Bureaux de ROOSEVELT & C<sup>e</sup>

rue de la Bourse, 1

PARIS, le

13

## Agence de Londres

Messrs. NATH. HOLMES & Partners  
8, Great Winchester Street Buildings

The division is as follows:  
Capital 3,000,000 of which  
3,000,000 is paid to the 3 companies  
for the patents which is of the latter sum  
the Edison gets 44 1/4 p.c or about 1,320,000  
" Swan 31 1/4 " 1,100,000  
" Edison 24 1/4 " 840,000  
100 p.c.

## Agence de New-York

Mr. HILBORNE L. ROOSEVELT  
40, West 18th Street

Not go in to particulars as you can so that if you  
want to - In other words the Edison Company  
affair over \$300,000 of which by contract Mr. Edison  
should receive about \$50,000 (as he divides his  
share with Puckett) which is more than 7 times  
what he expected and outbought the sale of the  
French patents according to Puckett's first contract  
with him. This is in addition to the money  
already received by Edison which I have  
reason to be pretty positive he received. I have  
already written to Kelly and told him to  
tell Edison that up to date Bailey had  
acting in the most square manner and that  
great credit was due him for his work and  
perseverance.

## INTRODUCTION et PLACEMENT

En Europe et en Amérique

DE

## BREVETS

ET

## ARTICLES BREVETES

Examen d'Inventions

DG

You see I write you as frankly as  
you have written me and had there been the  
slightest shadow of bad faith I should not  
have hesitated to tell you of it. I can only  
say that had I been Mr. Edison's agent I should have  
been much pleased to have done so well and will  
even say that in my opinion nothing better could  
have been done. The board of directors of the new company  
is chosen 5 by Edison & 4 by Swan & 13 by Edison  
I am on the board and I can assure you that it will  
be honestly managed in having taken all precautions  
to prevent fraud in reality how well to say for 3 years  
hoping that you will approve I remain

Yours truly  
Louis Roosevelt



Paris;

17 October 1879

My dear Sir,

On the 10<sup>th</sup> instant I wrote you briefly saying that an arrangement had been made for the fusion of the 3 Telephone Co's which have commenced operations in France. A proposition was made nearly 4 weeks ago by the Credit Mobilier & Blangier who are interested in the Lower Telephone for a fusion of the Comp<sup>s</sup> and this proposition was under consideration pending 10 days. The proposition made by them was that the 3 Companies should be united on a given capital to be divided equally between the three Companies. Two weeks ago we went into the final meeting for the consideration of this proposition and decided it on two grounds <sup>1<sup>st</sup></sup> that as brought forward it was submitted as a great stock operation and not as a serious explanation of the Telephone and 2<sup>nd</sup> because the division of interest proposed did not seem so fair as for as we were concerned. The following Monday I called on Mr. Greenell and told him the reasons that we had refused the fusion, urged the adoption of a different policy and proposed the kind of division of interest at 45 per cent for the bidion, 30% for the lower and 25% for the Blangier. This proposition was accepted on the 10<sup>th</sup> with the trifling modification of 44 1/4 for the

T.

Edison 31% for the power & 24% for the Blake - a point which I regard as more important than the ratio of division of the social interests in the plan now adopted is that the control of the company remains entirely in the hands of the holders of the Blake and a Board of Directors has been agreed upon which secures the non-spectative administration. The stranger & credit holder's interests are in the background, having only three representatives in a Board of 12 Members, the 9 others being left for an economical administration and the freeing of the Telephone without regard to operations on the source. Mr. Roosevelt has worked with me in securing the adoption of this plan and it is probable that we shall work together throughout Europe as a consequence of this operation of the persons interested in the States in the Edison Telephone Company of Europe Limited except the basis which has been talked of between us we propose to form a combination Company in Paris for operating in all the Countries in the Continent with a capital of 2 millions of francs and to call over from the States 2 or 3 additional experts and to bring the necessary material over for starting the Telephone exchanges at once in the principal Cities in Spain, Italy, Austria, Germany & Belgium. The private of division that is proposed between us is that of 60% for the Edison and 40% for the power. I do not think that this proposition represents the value of the two Telephones correctly, but the power people have made a good deal of it, are active and are bound to have a hold in the Telephone exploitation in these Countries. There is no

question whatever that it will be more profitable for us to join hands and be relieved from the opposition of the only kind of persons that as far has undertaken actively the pushing of the telephone in Europe. For the capital of 3,000,000 of francs. I think we should have to give nearly a half interest in our patents, but we should be able to start at once and on a considerable scale the capitalization in a sufficient number of cities in each country to give us the prominence that would enable us to hold the field for the future. I have been unable up to the present time to make any move myself outside of France on account of the circumstances connected with Mr. Duchas of which I have heretofore written you. I will not go into any detail as to the circumstances that have taken place since the report made in my letters of the latter part of August and first September. I will only say that Mr. Duchas ignorance of business is only equalled by his deceitfulness and treachery and that he is a man entirely unfitted for connection with any such business as that which we have in hand and his presence in any capacity whatever is only an obstruction. He has entirely lost the confidence of every person connected with our own company and is no longer liked by those to whom he tried to sell us out. Everything that has been done during the last two months has been done against his opposition or entirely without his knowledge. I called yesterday giving the points of the proposed fusion and stating that Mr. Duchas makes trouble and requesting that the services of Attorney which Mr. White advised me in his letter

of September would be forwarded to me on application, should be sent forward. Mr. Quaker stated to me Tuesday before yesterday that he would oppose all attempts to carry out the fusion unless he were named on the Board of Directors and also brought forward the proposition that the new company should be called the Edison Telephone Co. As to the first proposition there is no person connected with either of the 3 companies that would consent to sit at a Board where Mr. Quaker should be found as a member. In regard to the second it would be very pleasant to us as we have no doubt it would be to Mr. Edison that the rival companies should consent to take the name of our company and this was proposed to me in the first interview. A suggestion was made in reply that the name of Mr. Edison should be coupled with the names of the other persons and this as a business proposition was entirely fair, but I do not think that this would be a proposition so agreeable to Mr. Edison as that which was made by the former boy to drop the names of all the interested companies and to take another, to wit, "La Société Canadienne de Téléphones" and this last I have agreed to. The whole subscription of the capital stock of the new boy will be made privately without calling on the public and no one who is in the operation doubts that the shares will command a large premium from the date that they are first issued. No more than about 1/3 of the 8 millions will be for sale - The greater part of it being held by the subscribers as an investment. It is believed by those who are inside that the shares now

issued, will be worth 200 or 250 francs per cent within  
12 months from the present date. The reason of this is  
that the 3 Co's together hold the only concessions that have  
been granted by the Government for the exploitation of the  
Telephone in France and almost absolutely everything that  
is known today that could be used in the central system  
it is almost certain that the Government would grant  
no additional concessions even if another good telephone  
should be brought forward. The Wires in Paris are  
obliged to be laid in the sewers and the Administration  
of the City and the national administration of the Telegraphs are  
very jealous of allowing interlopers to come into the sewers  
with them. The situation amounts to a virtual monopoly  
of the Telephone in France. Within a month from this  
time we shall commence the formation of Telephone exchanges  
at Lyons, Bordeaux, Marseilles & Lille. Beside the  
central system the demand for an isolated application of  
Telephones is already enormous and beyond our power to  
meet with the actual means of manufacture. We shall  
at once build a telephone factory and commence turning  
out Telephones for isolated application as well as for central  
systems. Mr. Rosewell & I have worked together during  
the last fortnight in entire accord and it is due entirely  
to the manner in which he met the propositions made  
by me that the fusion has been effected. Both he and I  
have had a great deal of difficulty with some persons in  
our respective companies. Mr. Parthen in our own Co. has  
stood very much opposed to the fusion because we declared

to give him the position of director. We took however no  
immediate steps to push the bill into legislation & yesterday  
he expressed his acceptance of the fusion. J. Evans has more  
than doubled his investment in the new Company at least  
also Mr. Chalard the other silent partner remaining with  
us. We have brought back the part of Mr. Goodrich which  
he had sold out. Mr. Rosewell subscribing for 200,000  
francs out of the 480,000 and the remainder being taken by  
J. Evans, Mr. Chalard and several persons of influence  
that for one reason or another we desire to have directly  
connected with us. I regret that so much time has  
passed in concluding the French business, but the result  
warrants all the time that has been spent in gaining it.  
In regard to the shares that are coming to our attention  
I desire your instructions as to whether I shall allow them  
to be sold or shall hold on to them. By the statutes of the  
new company all the shares of the company will be syndicated  
for a period of 6 months, each person having shares will  
declare whether he desires to sell or to hold. If he elects  
to hold his shares he cannot during the period of 6  
months make any sale. If he elects to sell the sale is  
arranged by a committee of one person from each of the  
3 Societies. Our representative in this Committee of the  
Syndicate will be Mr. Chalard who is a good financier  
and each of the other Companies will be represented by a  
Banker so that the composition of the Committee guarantees  
the proper handling of the shares. The shares that are  
coming to me I shall hold on to. The only circumstance

that creates any doubt in my mind as to the future of our Enterprise in France is the possibility that the Government may buy in our Enterprise, but this is not probable in the face of the fusion that has now been made which commands very powerful political influences and also of the capital that will be necessary to give the widest development to the Enterprise. It would be well that you should advise me by cable on receipt of this letter whether you desire to sell or to hold on. In the former case cable the word 'sell' and in the latter 'hold' and I shall act according to your instructions. If you accept the proposition of fusion for the other countries of Europe above referred to Mr. Roosevelt will go to Italy this winter and I shall go to Austria with the intention of coming up into Germany with the commencement of the spring. We shall probably make any arrangements for working Belgium together through some kind party at the same time that we are working in Austria and Italy. Germany will be a very difficult field under the attitude of the Government.

In regard to Mr. Pickens so far as either Mr. Roosevelt or I am concerned I do not think it possible that we should have any relations with him or count to work in any place with him. I have no doubt that the statements that have been made are sufficient to show that this is not a matter of personal dislike but is the result of the entire loss of confidence that his course has occasioned not only in his business

T.

qualities but also in his untrustfulness and his claims to  
personal confidence - If you accept the proposition for fusion  
on the terms proposed above, please to cable the word  
'accepted' - If you do not accept please cable the word  
'undeliverable'.

I am, very truly Yours,  
J. D. Barney.

My address by cable is:  
"Heracleite, Paris"

J. A. Edison, Esq.

Repeating negative

News

Received  
Paris 17/19

8.



SAMUEL S. WHITE,  
Chestnut Street, cor. Twelfth.

Philadelphia, Oct 18<sup>th</sup> 79.

Mr. Thos. A. Edison

Menlo Park N. J.

Dear Sir

Yours of 16<sup>th</sup> duly received.  
Under the circumstances you will  
not expect me to advise you.

I can only say, and it is  
probably my duty to say, that I  
have confidence in Mr. Bailey.  
If I occupied your position, as  
I understand it, I should do as  
he requests.

Yours Truly

Phil Ochs  
for 246150  
and Oct 21 or

and sales will be made for sales in this  
letter and <sup>very</sup> as per neg. in the 1 for your  
own and will include all the  
Telegrams

T. A. EDISON.

Menlo Park, N. J.,

Oct 18 1879

Barbey.

Paris

I shall give no powers  
attorney, send papers here if  
satisfactory will sign. If our  
patent ~~is valid~~ ~~should~~ ~~never~~  
~~nothing if valid~~ Blake should  
get nothing —  
Edison

23 Menlo Park N.J. Oct 18

5:50 pm  
9/18/79

3

Cable

Oct 20. 1879  
1135-

Paris via New York 20

Edison Menlo Park  
N.J.

Edison N.Y.

Have arranged.

Prokers

5 Collect 40¢  
Wheat

Confidential



Paris France  
Oct 24/19

My dear Pa

I wrote you from  
London I had heard

Telephone matters were  
much improved here

I have found them  
worse than I feared here  
Exhausted, you.

The day opened strangely  
to let me into the secret.  
I am not yet quite sure  
but will probably be  
known -

I have seen all hands  
reach her house  
into my ears his  
presence & the necessity  
of almost every body else

A good thing is being  
so shamefully managed  
as to probably take all  
hope of much profit  
from it, & the last one  
if it finds the thing worth  
making, probably at its  
own price.

You are in the hands of  
adventurers from beginning  
to end & there is a law  
now put me to rest &  
that is to immediately  
absolutely, entirely  
& without limitation  
resort to all the available  
further given P.D. or  
any one else there whether  
in France or elsewhere.  
I mean in matters affecting Parker

Bailey, both respecting  
the present telephone & the  
arrangement affecting  
the Motograph telephone which  
further in some way  
relates with Parker  
Clibbing & Co.

Bailey I understand  
he sent you some papers  
to sign -

I must absolutely refuse  
to sign any, certainly  
not until I can get  
some still you in power  
what I named will like  
to put in paper.

If I have your permission  
or subsequent I reserve the  
power for you shall  
Cable P & B to delay etc

pending negotiations  
~~that immediate~~  
until you could advise  
by letter & then immediately  
send a formal revocation  
of all powers of every  
kind & description.

after you receive you  
can determine what  
new step to take.

You will have a long letter  
direct or thro. H. & R. from  
Cornelius.

I have seen hard to fit  
contents with commenting.  
You simply do nothing.

Delay is what is wanted  
here for the present.

One or two letters by any  
appears almost necessary for  
delay. If 3 persons are quarrelling  
among ~~themselves~~ each other the best thing  
is each one quarrelling among themselves.

W. L. G.

3 Cable

Oct 28 79  
3 17 pm

Paris via NY 28

Edison NY

(Signed fusion today you have  
right to propose one member  
of board will you nominate me  
answer

Cuskas

19 Collect  
Hq

3

Oct 28 79

Cuskas Paris

I nominate you  
member of board  
Edison

9 New Orleans Oct 28

4 22 pm  
9 Ho

Paris; 27 October 1849

Monsieur Edouard

New Jersey

We owe to you and also to ourselves as parties interested in the Société des Téléphones Edition of France to make known to you the different phases through which this Society has passed since the 5th December last, the date of its constitution.

From the date when I of us ceded their shares to Mr. Galland, Mr. Puckers followed the same course as all of us, but from that date, Mr. Puckers became so to speak the Avocat of the Lower Telephone and the ruin of yours thus attempting to paralyze the flight of our Society.

From the same time, which is the same as that at which the authority was granted by the French Government for the working of the Telephone lines, the Lower Company developed itself and obtained a certain number of subscribers in Paris and which was only opposed by us later on.

It was at this time that in order to protect your interests as well as ours we made known to you by our Council Mr. Rousseau that the line of conduct of Mr. Puckers might cause us anxiety in the transformation with a capital of \$500,000 francs of our Society and that we asked you for a new power not to be made use of except in case Mr. Puckers would not use his.



Since then a third Society that of Dublin was founded in Paris and the result was, that if three Societies existed in competition, the principle of telephones would receive serious injury since there would be three classes of subscribers who could only correspond with the City to which they had subscribed.

We had therefore to think of a fusion which became necessary by these incidents and seeks to derive from it the greatest possible profit for the City of your Telephone.

It was then that we listened to the proposition. The first which were made to us we had to reject, they wished to absorb us, and they only offered us a third in the fusion, and yet Mr. Ruessas was then of opinion that we must accept this third and when we declared through Mr. Borthon and Mr. Bailey that we refused this fusion with this proposition, Mr. Ruessas took upon himself to point out that this refusal did not bind him and that for him the offer of a third ( $\frac{1}{3}$ ) seemed very acceptable. He even accepted the title of *Société Nationale des Téléphones*. It is to be observed that they did not then propose any guarantee for the Administration of the Society thus formed.

But after having taken up these negotiations which were started by Ruessas rather for the purpose of playing on the stock exchange than for developing the telephone - we authorized Mr. Bailey to authorize endeavours to obtain a fusion of the three Societies with advantages in keeping with the importance of the bringing in of your patents and your just reputation.

Mr. Bailey set to work and Messrs. Fortham and Jackson were constantly kept informed of the new negotiations and the understanding arrived at between the three Societies namely.

A Society with a Capital of 8 millions of francs divided into 16000 Shares of 500 francs of which 9000 Shares to be subscribed for and 7000 Shares paid up attributed to the property brought in in the proportion of

44  $\frac{1}{4}$  to the London Coy

2  $\frac{1}{4}$  to the Dover

24  $\frac{1}{4}$  to Bouleim

with a Council of Administration composed of:

5 members of the London Coy

4 ditto Dover

3 ditto Bouleim

This Society would have had a little in which your name would have been put down in the first line.

By this plan the Society of Fortham received in the 1,500,000 fr. of shares provided by the original deed and the 200,000 francs supplement for the price of the Patents were going to be perfected by the original founders of the London Patents Society.

At the same time that this was decided between Mr. Bailey and Messrs. Dover and Bouleim, the latter represented by Mr. Cornelius Roosevelt, Mr. Bailey in accord with Mr. Roosevelt succeeded in buying back the Commande of Nancy and Lorient sold by these latter to Mr. Pelloux and who had much embarrassed us.

But when we asked Messrs. Fortham and Jackson to ratify this fusion with its advantages stated with so much difficulty these gentlemen feared about and criticised not the fusion which they admitted was absolutely

necessary, but even the basis of the fusion and pretended that they would have obtained more; this strange mode of proceeding cannot be understood neither on the part of Mr. Nathan from a position of Chief Engineer for 5 years with 15000<sup>00</sup> salary had been wrenched with difficulty from Messrs Souleim and Roosevelt but it is not to be understood at all on the part of Fuskas who before complained that we had not accepted 33 when now we have obtained 44 1/4 and guarantees for the administration.

It is necessary at once to overcome this opposition by our two partners, Nathan and Fuskas unless we wish to be lost the capital which we have engaged and as for you Sir that which you have to receive on bringing your patents into the Society.

Therefore at the instance of Messrs Faily and Chatard the dissolution of the Society is demanded at the date of today.

Dr. Grand is on constant and approved but he wishes to remain neutre so as to be conciliator later on.

This mode of dissolution ought not to delay the fusion, it is on the contrary for the purpose of arriving at this fusion that this mode is adopted, persuaded as we all are that you will approve this logical conduct and will facilitate the solution by appointing an Attorney charged to carry it out in the interest of all.

Believe Sir, my respectful consideration

Rousseau

Counsel of the partners

Oct 30 79  
1 Pm

Edison  
Mendel Parke

Absolutely vital your  
Exercise power Estop  
Paris negotiations  
awaiting my letter

Reff

14 London  
H. G.

Paris 30 Octobre 1879.

RÉSEAU TÉLÉPHONIQUE DE PARIS

SOCIÉTÉ

du  
Téléphone EDISON

Breveté S. G. D. G.

AUTORISÉ PAR L'ÉTAT

POUR L'EXPLOITATION DE RÉSEAUX TÉLÉPHONIQUES  
à Paris et dans les principales Villes  
de FRANCE

SIÈGE SOCIAL : 45, Avenue de l'Opéra.

A. BERTHON & C<sup>IE</sup>

INGÉNIEUR

ANCIEN ÉLÈVE DE L'ÉCOLE CENTRALE

DES ARTS & MANUFACTURES

CONSTRUCTEURS

des TÉLÉPHONES EDISON

PHILIPS & GRAY

Exposition Universelle de 1878

RÉCOMPENSES DÉCRÉÉES AUX INVENTIONS

D'EDISON et de GRAY

Deux Grands Prix

APPLICATIONS DES TÉLÉPHONES

RÉSEAUX TÉLÉPHONIQUES

Administrations, Ministères,  
Chemins de fer, Services télégraphiques,  
Établissements publics et industriels,  
Marine, Armée, Trains domestiques,  
Hôtels, Publications privées, Appareils,  
Châteaux, Exploitation de mines  
et Agricoles etc.

Monsieur Edison,

Nous avons l'honneur  
de vous informer que la  
fusion entre les trois Sociétés  
est faite et que nous avons  
gardé dans le Conseil  
d'administration une  
place pour la personne  
que vous désirez.

Veuillez nous télégraphier  
la personne habitant Paris  
que vous désirez choisir pour  
cette place d'administration,  
au reçu de la présente et  
veuillez en même temps  
confirmer notre choix par lettre.  
Bonne nuit, Monsieur, l'assurance  
de notre considération.

A. Berthon & C<sup>ie</sup>  
Theo. Philips  
J. H. Gray  
Thos. W. Gray

THEO. PUSKAS  
REPRESENTANT DE M<sup>r</sup> EDISON  
A L'EXPOSITION UNIVERSELLE  
PARIS 1878

SECTION DES ETATS-UNIS

45 Avenue de l'Opera  
Paris 2<sup>e</sup> Oct. 1879.

My dear Edison,

I confirm my call  
altering the figure of the 3<sup>rd</sup> Co. as  
which was signed on the 2<sup>nd</sup> 1<sup>st</sup>  
note.

The capital of the amalgamated  
Co. is 10,000,000 francs out of which  
3,500,000 francs go to the 3 original  
Co.

Our Company receives 44 2/3% of  
this promotion money, say 1,541,750 fr.  
which gives us the same amount  
of cash and stock as in our  
original contract with A. Graham.

The Plate, trademark of our  
patent, and the power telephone  
is a great business.

Mr. Denton and I are  
convinced that we could have  
secured even a higher percentage  
had Drayton been in the  
place of going over to the  
other camp.

2

I fought as long as I  
could both for a larger share  
of the promotion money and for  
having the new Co styled "The  
Edison Telephone Co." but partly  
backed by Chateau and Roussier  
(his lawyer), having much more  
with an eye for the winning of  
the Co, I had to agree to 44%

and went to the <sup>name of</sup>  
"Cambridge general Co. Telephone"

The board of the new Co. is to be  
composed of 12 members one of  
whom is left for your nomination.  
At a meeting held yesterday  
I showed your telegram appointing  
me as Director but partly  
refused to agree to your price  
as essential to the art and insisted  
on your being committed to  
it.

I ignore what interest brought  
you to do so but I have agreed  
to their course having followed and  
we have written you yesterday  
a collective letter.

We now await your reply by  
cable, as to whether you  
nominate

THEO: PUSKAS  
 REPRESENTANT DE M<sup>r</sup> EDISON  
 A L'EXPOSITION UNIVERSELLE  
 PARIS 1878

SECTION DES ETATS-UNIS

*Paris, le 18*  
*nominat* *Charles*  
*me, or some one else, as*  
*Director of the Co.*  
*Please let me know*  
 whether I am to send you the  
 100,000 francs, which I am to  
 receive for your ~~services~~ *from*  
 the new Co. by ~~note~~ *mail*.  
 As soon as matters are settled  
 here I will go over to the States  
 to see you.

The body of poor Charles' left  
 last Saturday, as cabled to you by  
 Mr. Cluff. I asked Mr. Murray, a  
 friend of Charles, with whom he  
 lived, to write you the particulars  
 of his movements since he left  
 our Company. I suppose you have  
 received his letter.

*Yours very truly,*  
*Theo. Puskas.*



1 Cable

Nov 22 79  
9am

Edison

Menlo Park

Arrived Eleventh decide  
Nothing before

Bailey

9 Queenstown  
No. 1.

3

Cable

Nov 22 79

Puskas Paris

Bailey left Queenstown  
for America write  
details Paris  
manipulations

76

11 Menlo Park 17 Nov 22 79

856

515-1212  
91300

THEO: PUSKAS  
REPRÉSENTANT DE M<sup>r</sup> EDISON  
A L'EXPOSITION UNIVERSELLE  
PARIS 1878

SECTION DES ETATS-UNIS

Paris, le 3. Nov. 1879

My dear Edison,

Received today your cable advising me of Bailey's departure for the States. —

By next mail I will send you full details; please don't take any decision till you receive them.

Yours very truly  
Theo. Puskas

Church Organs

Office of  
Wilborne L. Roosevelt,

40 West 15<sup>th</sup> Street,

New York, Nov 3 1879

Thomas A Edison Esq  
Respected Friend &  
Dear Sir -

Enclosed copy  
of a letter I must say  
rather to day which I  
think embodies your views  
and mine - I know Cornelia  
will try and act fairly  
in this matter - With kind  
regards to Mrs Edison and Doty  
I remain

Yours truly  
Wilborne L. Roosevelt,

To  
Prof. Dr. Thomas A. Edison FRS & 3 W. bc.  
I forgot to thank you today for endorsing the  
note for that charming young lady  
last summer she was delighted -

Nov 3. 19

Dear Cornie,

Yours of 19<sup>th</sup> Oct duly  
 recd. I want to see Edison and  
 he will stand by Padesco unless Mrs  
 positively and clearly proves that  
 he has acted dishonestly. He  
 thinks Bailey is clever but will  
 not give him a power of att  
 instead of P. Edison says that P  
 has acted perfectly & squarely  
 with him so far and he will  
 only believe to the contrary when  
 genuine proofs are produced.  
 Edison is one of the most honorable  
 men I ever met and when he is  
 a friend to any one, he will never  
 go back on him. In this I  
 know you are as  
 I much as I do. Would more  
 and the same courage he has  
 He does not let the common Padesco

being one against 12 can do any harm  
 and Edison fully appreciates Mr P's  
 want of business knowledge. I also  
 what a nuisance he is, but his  
 action will be as I have stated -  
 He don't care if he makes money out of  
 it or not, but he don't wait around  
 more annoyance. He - he can  
 possible help - I would certainly give  
 him my advice if P's not  
 absolutely dishonest to be an  
 get along with him in some  
 way (of course not lending him money)  
 Edison tells Mr Ba' is on his  
 way here - he may be able to change  
 some light on Chas. The Bell  
 Telephone stock sold at \$80.00  
 lately. (I guess you may want to know  
 more before you come again)

Yours truly  
 J. P. ...

Monsieur Bailey

I have a great desire to see you elected by Mr Bodin to represent him in the Council of Administration of the Cte-El des Telephones and I very much regret my inability to support directly your candidature and thus expose the conduct which is not too honorable of Mr Puckas and his entire inability, but you know the moral engagement I have made not to interfere with the representation of Mr Bodin !!!

The activity and ability with which you have conducted the negotiations of the fusion and which have been rendered so painful and difficult by the absurd obstruction of Mr Puckas and Mr Kerthou, cause you to be desired by my colleagues, I tell you this in all sincerity. The Anglo-Universal Bank of which I am a director agrees to submit all the shares returned to the Bodin Society for 1991,500 francs - Will you cede to it the part which you are entitled to subscribe by the participation which you have taken in the share of Godillot. These shares will be taken out par & there will therefore be no Commission to pay. The advantage which I see in this is that as the Bodin Society should be supported by a large Bank (with a capital of 50,000,000 frs) the same way as the Commerce Society is by the British Bankers. This support would lift us up considerably in the eyes of the two Societies who fusion we had and with whom our consideration has much diminished by the opposition and inability of Kerthou and Puckas.

I hope you will adhere to my proposition and will return the enclosed paper signed by you.

You told me that it was offered to Soulerin to  
take all his shares at 25 francs premium, but we do  
not know into what hands we shall fall and in giving  
up our shares to the nominee of Soulerin we place our  
superiority for the formation of the hospital. Now to get up  
our credit we must make a little sacrifice. However  
Soulerin is absent and his offer was not at all a formal  
one.

Yours very truly  
M. Chataud  
to the direction Paris

3 Nov. 1899

Phil<sup>a</sup> 11/4/79  
Mr. Thos. A. Edison  
Menlo Park N. J.

Dear Sir:  
When I last had  
the pleasure of visiting  
you I left with you  
some letters of Mr. Bailey  
to read at your leisure.  
You will oblige me by  
returning them -

Yours truly  
Saml. White  
P. S.

TELEPHONE DEPARTMENT.  
WESTERN UNION BUILDING,  
BROADWAY AND DEY STREET.

From

H. H. ELDRED,

Gen'l Manager.

New York, Nov. 5 1879  
To Thos. A. Edison Esq.  
Menlo Park N. J.

Dear Sir  
I am unable to accompany  
Mr. Husbands to Menlo to night and  
send my assistant Mr. H. L. Stokes who  
fully understands the arrangements  
made.  
Yours very truly  
H. H. Eldred



Paris 5 November 1879

Monsieur Bailey

New York City,

In continuation of my letter which I wrote to Mr. Edison the 28<sup>th</sup> October and which I entrusted to you to be handed to him as well in the name of myself as in the name of Mr. Chaboud and I think you would do well to put on one side all question of exaggerated delicacy and without regard to personalities to insist in the interest of all to be in the Council of Administration of the proposed Society.

If it be correct that a refined feeling of etiquette, of great deference, has led to your submitting the nomination of a member by Mr. Edison, and if the Council has admitted your proposition out of respect for Mr. Edison as well as for yourself, it would not be the less regrettable that your excess of honour proper should end by eliminating you from an honorary position, and depriving the new Society of your activity, of your care, intelligence and your ability; it is not you who would suffer from it, but indeed all of us - we have had you in the work and without you we should have been swallowed up by the other two competing Societies - you have been able to overcome as well the natural enemies of the Society which were the other 2 Societies as also the 2 members of the Edison Society which was still more difficult.

Why in presence of such a man as Mr. Edison, whose superiority is striking, should you not lay down as principle

that in consideration of the defence of the other members of the Council, who rely on him to nominate the 18th he should honor with his wisdom this same Council with the honor of selecting for him (Mr. Edison) the 18th member by a secret ballot.

And then you know as well as I do that the Council would nominate you because they ardently want you; they would have a real colleague, useful not to say indispensable, whereas if you retrenched yourself behind an excessive dignity it might be that Mr. Edison would nominate Mr. Puckas, believing, probably incorrectly, that the duty and the prosecution continue with the now fruited society; whereas by the fact of the fusion, things are settled and that there only exists shareholders.

You the same as Mr. Puckas become demoralized by the fusion, you receive what comes to you and what comes to Mr. Edison and then all is said.

There remains the honorary question, that of procuring a successful future for the whole thing - nothing more - now if after all the opposition which Mr. Puckas, supported by Mr. Berthou, has shown, not only to you personally, but to all of us, this opposition, thanks to you, has disappeared, and if there has only remained the show of the fallacy by putting forth Mr. Puckas as a candidate for the Council it is necessary that this show shall not become definitive, and that instead of having some one intelligent the Council may have a noodle.

I do not wish to speak of the critical position of the fortune of Mr. Puckas, it is affected by an attachment for 40,000 francs - becomes money to Mr. Roosevelt, to Mr. Berthou.

and to you.

What security can the voice of a man so embarrassed have in the Council of a Society? Will this voice always be free, setting aside his personal liability. — what administrative service can be expected from him?

I resume and I do not hesitate to say that it would be compatible with the great and legitimate reputation of Mr. Tolson to leave to the Council itself the duty of nominating for him its 18th Member.

If Mr. Tolson would like to have the opinion of compatriots St. Louis a telegram addressed to the latter would enlighten him.

The letter signed by the partners of our present Society could not be otherwise than as it was, but the desire and the idea of the whole of the Council are to have you, you must therefore and you owe to us all to conform to this legitimate desire in remaining one of us.

Yours truly  
Rousseau

THEO: PUSKAS  
REPRÉSENTANT DE L'EXPOSITION  
A L'EXPOSITION INTERNATIONALE  
PARIS 1876  
SECTION DES ETATS-UNIS

45, Avenue de l'Opéra

Paris, le 5<sup>th</sup> Nov. 1876

My dear Edison

*Conf* I wrote you a few lines on the 3<sup>rd</sup> inst. to acknowledge receipt of your cable advising me of Bailey's departure, (which was the first intimation I had of his going over to the States), and I now proceed to furnish you with some particulars concerning our business here.

First - with respect to whom you will nominate to represent your interests on the Board of the new Company:

As you will know by this time, this letter reaches you it was Bailey's last aim to include me. He cannot say that it was a question whether he or I should be on the Board, for there was a time at which the other parties could have accepted us both. But this was not to Bailey's taste, and he managed matters so that now only one of us can enter the Board.

This compromise was accepted by the other members in the expectation that Bailey will succeed in obtaining your support.

The reason why the other members are so much in favor of Bailey's being on the Board is that during the negotiations for the fusion Bailey made

2.

to the other two Companies greater concessions than Berthou and I were willing to make.

It is true that at one stage of the negotiations Berthou and I agreed to the percentage which has been finally accepted, say 44 1/2% for our Co. but considering the ~~second~~ way in which Bailey carried on the negotiations for the fusion and considering that Roscauld, who up to the time Bailey started negotiating with him never spoke of Bailey except as a scamp, a scoundrel and a disgrace to our Co. got at once on the best terms with him my suspicions, and especially those of Berthou, were aroused. Berthou felt sure that there was something wrong in the matter and thought he by going in for a higher percentage we would make Bailey give up the advantages which he might have aimed for himself personally, from the other side.

A fact which confirmed us in our suspicions is that Bailey fought desperately against changing the percentage allotted to each Co.

He may tell you that he was not alone to fight us and that two of our partners, Evans & Chatard, sided with him, but you will easily understand why they did so.

For this you must know that  
Edillon

3  
THEO. PUSKAS  
REPRESENTANT DE M<sup>r</sup> EDISON  
A L'EXPOSITION UNIVERSELLE  
PARIS 1876

SECTION DES ETATS-UNIS

Paris, le

18

Godillot and Brancy, two of our former partners, sold their interest of 135,000 francs to a certain Pelloni, who bought it for account of Russell. Now in view of the fusion through the instrumentality of Bailey, Grant, Katard and others bought back from Russell 67,500 francs worth of that interest for 132,500 francs. There was an amount of 12,000 francs left due for Berthon, but as he was told by Mr. Williams (the highest legal authority heard on these matters) that we could annul the transaction between Godillot & Pelloni by simply reimbursing the 135,000 francs, he held back till the last moment and only bought the that interest after the fusion was signed by all. But Chabard & Evans were not in the same position because they effected their purchase before the fusion was agreed to by Berthon & me. Therefore, had the fusion preceded they would have lost money. They lost consequently a great amount in buying from us before Berthon and me to force us to accept the fusion. Bailey may also tell you that in his negotiations he was also backed by the Roussseau, the Counsel of the Co. But I must tell you that Roussseau

26

4

is not and has never been the Counsel  
of the Edison Telephone Co. He is  
only the legal adviser of Cataract  
& Bailey who have now proposed  
him for a membership of the Board.

Now it will be of interest for you  
to know that when Pelore approached  
Endicott with a view to purchase for  
account of the Lower Telephone Co. the  
interest of \$35,000 francs, Endicott  
being doubtful as to whether he had a  
right to sell it asked Rousseau's  
opinion, and Rousseau instead of  
telling him to offer it first to the  
other partners, advised him to accept  
Pelore's proposition. This advice  
of Rousseau was most detrimental  
to the interests of the Edison Tel. Co.  
as it altogether paralyzed our move-  
ments for the transformation.

If Bailey then puts him forward  
as the Counsel of our Co. the above  
will show you how much he had  
the interests of the Co. at heart.

So much for this question of your  
nominating a member of the Board.

Second - with reference to nego-  
tiations about the other European  
countries:

As soon as I heard from you that  
Bailey had left for the Continent to  
make up my mind whether to  
accept of the Board was not the  
only motive for his journey, and  
that he also goes over to submit  
to you and the other shareholders  
of the Edison Tel. Co. for Europe propositions  
concerning

THEO. PUSKAS

REPRÉSENTANT DE M<sup>r</sup> EDISON

A L'EXPOSITION UNIVERSELLE

PARIS 1878.

SECTION DES ETATS-UNIS

Paris, le 18  
concerning the other European  
countries.

If this be the case, consid-  
ering that I am one of  
the interested parties and  
that Bailey had to look upon me  
as your representative, why did he not  
acquaint me with the steps he has  
taken in the matter, if everything is  
straightforward?

I would therefore request you in our  
mutual interest to have any propo-  
sition which Bailey may be the bearer  
of submitted to me. Being on the  
spot I am in a better position to judge  
of the relative value of such propositions.  
Meanwhile, if Bailey brings propo-  
sitions from Erlanger (or from the  
Credito Mobiliere, of which he is the boss),  
or from the Credit-Universel Bank (of  
which Clatard is one of the Directors),  
you will do well to bear in mind that  
the former (Erlanger) is the man who  
has brought the lower telephone and that  
the latter (Clatard) is one of those who  
brought pressure upon me to force me  
to accept the terms of the lower people.

Erlanger enjoys about the same  
reputation here as Jay Gould does in  
the States, and we shall have plenty  
to do to keep things straight in Paris.  
I give you an idea of the name  
the



1/ He has in France, I must tell you  
that one of our intended Directors, Dr  
Noémie, having changed his mind  
a few days ago, and withdrawn from  
the Board, Mr. Borthon made an-  
nouncements to two men of high standing  
to enter the Board, and that they  
flatly refused on hearing that Erlanger  
and the Berlin Mobiker are interested  
in the concern.

As soon as the details of the fusion are  
completed I will go over to the you and  
restate verbally any mis-statements of fact  
or details may make to you. I am lead-  
ing to believe that he will make some in-  
consequence of a conversation I had with  
Mr. Reiff the day before yesterday, in the  
course of which Mr. Reiff reported to me  
some statements made to him in London  
by Bailey, which I had to brand as  
absolute falsehoods.

In closing this letter I beg to inform  
you that I have asked a good friend  
of mine, Mr. St. Helgenbach, whom you  
already know to consult with you  
on these matters, and, if need be, to  
act on my behalf in perfect harmony  
with you.

Yours very truly,  
Thos. Burke

Very sincerely  
Burke

11, Lombard Street, S.E.  
London Nov 6<sup>th</sup> 1879

My dear G. E.

En-chen reaches you.  
I presume Bailey will  
have arrived in the U.S.  
to give his reasons why  
he should be nominated  
Director of the Paris &  
instead of Puckas.

The first morning I am  
out before I get home  
to explain many strange  
things to you, and to name  
a new party. Entirely  
neither of them have close  
hands.

Puckas says the Roosevelt  
scheme is better than (Puckas)

for the Division, yet  
Roosevelt loaned Bailey  
the money to go to the U.S.  
for some collection purposes.  
Bailey will doubtless try  
to get from you some advice  
concerning the Continent  
which should not be printed  
as the plan itself, proposed  
is to consolidate Goss &  
Edison with Goss as  
much as Edison, to the  
somebody gets paid on  
this case to suit himself to  
Puckas.

Key says he is willing to  
break Goss from entirely  
if he could get a contingent  
interest in Edison's business.  
Now I don't find either of them  
are Key, but within certain  
bounds he is as good as another.

I wish more power for evil. (I wish more)  
 than any of them, because of his  
 political opposition, which in  
 France is the continual quarrel,  
 is of very much more moment than  
 either a Great Britain or the U.S.  
 as I have already written you, should  
 it do not question Russell's integrity  
 yet I do not at all consider him  
 acted disinterestedly, but rather too strongly  
 whilst professing specially tender feelings  
 towards you & your interests.  
 Bailey is very sharp, but I hardly dare  
 say on paper, what I would say to you in  
 person.  
 I am hard at work on the new Embroidery  
 here & before I can write has it in  
 satisfactory shape, so that there shall  
 be no more reflections upon you & me,  
 besides so that the strongest telegraph  
 people in England will be in hearty  
 accord & action at work.  
 The Cable people are sadly in need of  
 improvement even for 5 or 10  
 years & will have my annual  
 Cash ready to give for it.  
 We met in some fair way as I thought  
 with G. B. P. or Stearns, which I can better  
 explain farther along. I have answered  
 his last and interested with Russell, and with it  
 corruption will get him O.K. - because also will be attended to.

I wish more power for evil. (I wish more)  
 than any of them, because of his  
 political opposition, which in  
 France is the continual quarrel,  
 is of very much more moment than  
 either a Great Britain or the U.S.  
 as I have already written you, should  
 it do not question Russell's integrity  
 yet I do not at all consider him  
 acted disinterestedly, but rather too strongly  
 whilst professing specially tender feelings  
 towards you & your interests.  
 Bailey is very sharp, but I hardly dare  
 say on paper, what I would say to you in  
 person.  
 I am hard at work on the new Embroidery  
 here & before I can write has it in  
 satisfactory shape, so that there shall  
 be no more reflections upon you & me,  
 besides so that the strongest telegraph  
 people in England will be in hearty  
 accord & action at work.  
 The Cable people are sadly in need of  
 improvement even for 5 or 10  
 years & will have my annual  
 Cash ready to give for it.  
 We met in some fair way as I thought  
 with G. B. P. or Stearns, which I can better  
 explain farther along. I have answered  
 his last and interested with Russell, and with it  
 corruption will get him O.K. - because also will be attended to.

I wish more power for evil. (I wish more)  
 than any of them, because of his  
 political opposition, which in  
 France is the continual quarrel,  
 is of very much more moment than  
 either a Great Britain or the U.S.  
 as I have already written you, should  
 it do not question Russell's integrity  
 yet I do not at all consider him  
 acted disinterestedly, but rather too strongly  
 whilst professing specially tender feelings  
 towards you & your interests.  
 Bailey is very sharp, but I hardly dare  
 say on paper, what I would say to you in  
 person.  
 I am hard at work on the new Embroidery  
 here & before I can write has it in  
 satisfactory shape, so that there shall  
 be no more reflections upon you & me,  
 besides so that the strongest telegraph  
 people in England will be in hearty  
 accord & action at work.  
 The Cable people are sadly in need of  
 improvement even for 5 or 10  
 years & will have my annual  
 Cash ready to give for it.  
 We met in some fair way as I thought  
 with G. B. P. or Stearns, which I can better  
 explain farther along. I have answered  
 his last and interested with Russell, and with it  
 corruption will get him O.K. - because also will be attended to.

Paris 7 November 1849

My dear Mr. Peasley

Yesterday at the Council at which Mr. Berthou was present and whose minutes did not appear Mr. Foucher de Careil gave an account of the visit of the previous day of the Minister Mr. Broglie; the latter was alarmed at the reports that the fusion was being made by means of concessions (which he would have given and as the consequence absorbed a large capital - He was told that no mention was made of concessions in the Statutes - (concessions are the equivalent of monopolies the Minister has authorized but not conceded) that the capital of the fusion was not more important than the joint capital of the three old societies and that the founders for the bringing in of their 23 patents had for themselves alone very nearly the half, he was also informed that no public concession would be made so as to avoid the howlings of the press, and as there exists only one society he said he would return 2 of the three guarantees - An Executive Committee for the Works and lines will meet every day, it is composed of Mr. Chataud, Jomelle and Duchaplan, it will have to point out to the Engineer in Chief what has to be done &c. Mr. Berthou told me that as Elivier was not prepared with the battle the laying down was delayed because it was necessary to obtain the authority of the owners for the placing of the lines above ground.

Monnier is not yet replaced and the Government has not made known its third member.

I have not seen Ruskas again, but I have just received the following notice, 'the adversary is going on with the case for the 11th before the 5th Chamber' - I am going to write to him.

Enclosed you will find the agreement between Pellorce and Roussel. The latter has instructed me to summon Pellorce and it is done for Thursday - Mr. Jorisset would not sign the dissolution without the authority of Pellorce (told you what advantages Pellorce had given after all) On the other hand it appears that Roussel is turning round against Pellorce and criticises his right to have sold to Roussel - We shall see.

In haste, sincerely yours  
Rousselin

**RÉSEAU TÉLÉPHONIQUE DE PARIS**  
 SOCIÉTÉ  
 DU  
**Téléphone EDISON**  
 Breveté S. G. D. G.  
 AUTORISÉE PAR L'ÉTAT  
 POUR L'EXPLOITATION DE RÉSEAUX TÉLÉPHONIQUES  
 à Paris et dans les principales Villes  
 de FRANCE  
 SIÈGE SOCIAL : 45, Avenue de l'Opéra.

**A. BERTHON & C<sup>IE</sup>**  
 INGÉNIEUR  
 ANCIEN ELÈVE DE L'ÉCOLE CENTRALE  
 DES ARTS & MANUFACTURES  
 CONSTRUCTEURS  
 des TÉLÉPHONES EDISON  
 PHELPS & GRAY  
 Exposition Universelle de 1878  
 RÉCOMPENSES DÉCRÉÉES AUX INVENTIONS  
 d'EDISON et de GRAY

**Deux Grands Prix**  
 APPLICATIONS DES TÉLÉPHONES  
 RÉSEAUX TÉLÉPHONIQUES  
 Administrations, Ministères,  
 Chemins de fer, Services télégraphiques,  
 Établissements publics et industriels,  
 Marine, Arts militaires, Usages domestiques,  
 Hôtels, habitations privées, Appartements,  
 Châteaux, Exploitation de mines  
 et Agricoles etc.

Paris, 8<sup>th</sup> Nov. 1879

Mr J. C. Keiff  
 of J. P. Morgan & Co  
 22 Old Broad St.  
 London W.C.

Your favor of yesterday's date is duly to hand.  
 I consider that it would be  
 to both to Mr Edison & and  
 to my interest if you were  
 to acquiesce him with what  
 you have seen and heard.  
 You Paris about our Telephone  
 matters.

Mr Mr Barclay is already  
 on his way to the States you  
 will do well to call right  
 away to Edison your opinion  
 on the various services of

this matter.  
 As it is certainly not to be expected  
 that you should report to a person not  
 known for a business in which you are  
 not personally a party to, you may  
 say that I shall make in conjunction  
 with Mr Edison arrangements to meet  
 you on a fair business way.  
 Yours truly,  
 Theo. Parker

Cable

Nov 10, 79

8:22 AM

Edison

Mineo Park

Dont answer letter October  
thirtieth, until you receive  
mine

Roosevelt

14 Paris  
No 9

THEO. PUSKAS

*(P. 41. Puska)*

45, Avenue de l'Opera

Paris, le 11 Nov. 1879.

Mr. J. C. Reiff London.

Sir, In reply to your favor  
of 10<sup>th</sup> inst. I regret to inform  
you that I cannot for a while  
absent myself from Paris, but  
I will furnish you from here all  
the information you may need.  
Already I can state to you that  
the people of the amalgamated Co.  
are favoring the Lower Telephone in  
every possible way. They intend  
to use it <sup>exclusively</sup> in Paris, & like they  
know that the Edison instrument  
is superior.

I know that they do so with  
a view to get better terms from us  
in a future for the other European  
countries, or to get their name up  
to compete with us in those countries.

You would do well to negotiate  
Edison with this turn of affairs.

Yours truly  
Thos. Puskas



Nov 11, 79

245

Telephon S.D. 11

Thos A Edison ms

I have important communication  
to make to you from Puckas in regard  
to appointment of Director in Consolidated  
Telephone in Paris. Please defer  
all action until I tell you will  
call on you tomorrow

A Hegewich  
24 Pine St

39 Paid  
G. L.

NY 12

Nov 12, 1879

1<sup>45</sup> PM.

Thos A Edison

Your postal card rec'd Thanks  
Not being acquainted with running  
of trains to your place  
I allowed to pass the  
only one which I can  
conveniently take if I cannot  
see you in town meanwhile  
and it is quite satisfactory  
to you I will see  
you tomorrow at New Park on  
arrival of twelve fifty five  
train from New York

A Hegewich

59 paid  
H-9

5-

Nov 13, 79

Gardner London

Tell Brown return  
Paris Roosevelt  
Bailey

Spind 624

8<sup>PM</sup>  
9<sup>PM</sup>

Comte Fouchet Caréil

Nov 13, 79

9 Rue François I, Paris

Je nomme Bailey et Puskas  
laissant au conseil choisir entre  
les deux.

Edison

21 W. 42<sup>nd</sup> St. Nov 13

8<sup>PM</sup>  
9<sup>PM</sup>

NEW YORK STATION, Nov 12 1879

Recd. from _____	Sent or handed to _____
Time _____ M.	Time _____
Clerk _____	Clerk _____
Prepaid _____ No. of Messages _____ No. of Words _____ From _____	

London

To  
Edison

Respecting Rieffo letter  
Paris fusion &  
continental matters will  
you repudiate fusion  
which sinks your  
name favor however  
jeopardizing interests & position  
continental and here  
interfering pending negotiations  
here you sacrificed  
us conspicuous Paris  
prejudices seriously all

NEW YORK STATION, 187

Recd. from {	Sent or handed to {
Time	Time
Clerk	Clerk
Packet No. of Message	No. of Words
Page	

2

Europe authorize immediate  
reorganization Paris  
English plan strong  
Anglo French board  
imperative obligations pursuant  
Barley and Societe  
Editing will be  
scrupulously recognized fusion  
persons result of  
personal interests disregarding  
yours you not  
subordinate pursuant Barley

No. 4

(Service Message Form.)

01,000 5-3-2

The Direct United States Cable Company, Limited.

NEW YORK STATION, 187

Recd. from	Sent or Forwarded to
Time	Time
Clerk	Clerk
Precedence No. of Messages No. of Words From To	

powers entire territory  
 existing on our  
 terms for such  
 Continental countries whereupon  
 we immediately negotiate  
 Anglo European boards  
 tending you each  
 guarantee Success considers  
 will answer I understand  
 phones  
 J. R. Hoff

John H. Porter,  
Cassius H. Lawrence,  
Geo. Wiles, Secy.  
First District Court,  
Geo. S. Haines,  
Wm. L. Twiss.

P. O. Box 1836.

Porter, Lawrence, Loran & Hennes  
Attorneys & Counsellors at Law  
No. 3 Broad St., New York.

Nov 14 1879

My dear Sir:

Regarding the request that you engage to give to the French co. all future inventions of telephones, the following occurs to me as a means of smoothing the point that would be satisfactory to both parties.

- (1) You to give absolutely to the company your inventions of telephones (this form of expression would not include accessories) for the term of five years.
- (2) The Company to have the <sup>first</sup> right to your inventions after that period paying you a price amicably arranged. If difference arises, to be determined by reference to one arbitrator chosen by each, with a third chosen by the two if they cannot agree. In order that the proceedings for organization in Paris be not delayed, (and to reach with least delay the payment of money, etc.) you should cable

P. O. Box 1836.

Mr Bailey

I have received from Whites people (they  
respect him better but quite ill) the draft of  
revocation of Puskas' power. Wh. I shall submit  
to Lowry, and if approved will have it drawn  
up in favor of Hayes, unless you telegraph  
me to contrary. I should propose to take  
along the revocation but not to hand it to  
Hayes or make known that have it unless  
should find Mr. Puskas working with fellows  
to make trouble. I shall be advised in the  
-day or two or so whether money is likely  
to be paid over before my return. If it is

3  
 Porter & Lowrey, Loren V. Howe  
 Attorneys & Counsellors at Law  
 No. 3 Broad St. New York.

John H. Porter,  
 Treasurer Eastern,  
 Geo. Wiles Ross,  
 Geo. H. Smith,  
 Geo. H. Porter.

Box 1836.

1871.

like to be paid (of which I will advise  
 you by telegram as soon as I am advised)  
 you should cable "Rousseau 113 Boulevard  
 Sebastopol, Paris. Faites payer tout  
 argent me venant à Drexel Haiges. Pouvoir  
 Puckas me voir revocqué, Edison." This  
 will not be necessary unless payment may  
 be made at once. But it will be necessary  
 in the case (if you do not advise Puckas to  
 receive it,) because I see your power  
 (copy of wh. shows) gives him expressly right  
 to receive it as though belonging to him  
 subject to act between you. This makes  
 it necessary also, in all cases that I  
 take along the power in favor of Haiges, \*  
 you do not need to cable anything  
 about shares, because the shares ~~will~~  
 cannot, by conditions of the contract of fusion  
 go into any one hands, but remain  
 for a time specified in hands of syndicate

\* You should write to Puckas advising him that you have received  
 Haiges to receive directly from Edison, you must not of course & also  
 instructing him to advise to receive it when notified by such direct  
 you should write to Haiges when I receive  
 Haiges to receive directly from Edison, you must not of course & also  
 instructing him to advise to receive it when notified by such direct

John H. Foster.  
Counselor at Law.  
Geo. Wales Stone.  
Chas. Francis Stone.  
Geo. S. Hamilton.  
Wm. L. Foster.

P. O. Box 1836.

4  
Porter, Lowrey, Loren & Stoner  
Attorneys & Counsellors at Law.  
No. 9 Broad St. New York.

for sale in the pool. 18.

unpublished.

J. D. Bailey

Thos. Edison Esq {



Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been announced in its several last published notices.  
 Messages in English, Spanish, and other languages, and in the English alphabet, and the Company will not be held liable for any delay or mistake in the delivery of messages, and the Company reserves the right to refuse to receive or deliver any message for which the sender is not prepared to pay the necessary charges.  
 A. R. BREWER, Sec'y. NORVIN, GREEN, President.

Dated New York 11/15 1879  
 120 PM

Received of Mr. Edison  
 Mr. Edison

READ THE NOTICE AT THE TOP.  
 Have just read important letters from Rushes which will necessitate another interview with you please appoint day most convenient to you all now in possession of facts which effect your interests as well as Bank's Sunday will be more convenient to me than any other day.  
 466d  
 H. T.  
 A. H. Gaisch

Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been announced in its several last published notices.  
 Messages in English, Spanish, and other languages, and in the English alphabet, and the Company will not be held liable for any delay or mistake in the delivery of messages, and the Company reserves the right to refuse to receive or deliver any message for which the sender is not prepared to pay the necessary charges.  
 A. R. BREWER, Sec'y. NORVIN, GREEN, President.

Dated New York Nov 15 1879  
 240 PM

Received of Mr. Edison  
 Mr. Edison

READ THE NOTICE AT THE TOP.  
 Mail Lower, the return engaging for you signed Rushes after making contracts securing him in case option first taken by Banker  
 20 paid  
 Bailey

THEO: PUSKAS

*4, Avenue de l'Opera*  
*Paris, 16<sup>th</sup> Nov. 1879*

45, Avenue de l'Opera  
Paris, 16<sup>th</sup> Nov. 1879

J. C. Reiff Esq.  
London

Sir, your favor of 14<sup>th</sup>  
inst. has come duly to hand,  
contents noted.

Yesterday a cable from Edison  
came to Mr. Touché & Carit,  
President of the Amalgamated  
Co. leaving it to the other members  
of the Board to choose between  
Bailey and me.

No doubt every information  
reached Edison too late, other-  
wise had he known the exact  
state of things he would not  
have taken such a decision.

Yours truly  
Theo Puskas  
per W.B.

Menlo Park, N. J.,

Nov 18 1879

7  
 P  
 Rossau  
 113 Boulevard Sebastopol  
 Paris

Pouvoir Puskas revoque  
 urgent brevets payable  
 Drexel Harjes  
 Edison

14 Menlo Park  
 835 7th  
 9 mps

No. 4.

(Service Message Form.)

20,000. 5-6-9.

The Direct United States Cable Company, Limited.

NEW YORK STATION,

Nov 18 1879

Recd. from	Sent or handed to
Time	Time
Clerk	Clerk

Prefix.....No. of Message.....No. of Words.....

From	To
London	Edison

Edison	phones	wholly	3
misunderstood	we	scrupulously	4
contemplated	complete	integrity	5
your	contracts	sole	6
object	preservation	your	7
name	and	information	8
from	needless	subordination	9
possible	sacrifice	Puskas	10
letter	to	Reiff	11
justify	this	conclusion	12
Reiff			13
			14
			15
			16
			17
			18
			19
			20
			21
			22
			23
			24
			25
			26
			27
			28
			29
			30
			31
			32
			33
			34
			35
			36
			37
			38
			39
			40
			41
			42
			43
			44
			45
			46
			47
			48
			49
			50
			51
			52
			53
			54
			55
			56
			57
			58
			59
			60
			61
			62
			63
			64
			65
			66
			67
			68
			69
			70
			71
			72
			73
			74
			75
			76
			77
			78
			79
			80
			81
			82
			83
			84
			85
			86
			87
			88
			89
			90
			91
			92
			93
			94
			95
			96
			97
			98
			99
			100

G. H. LANSING, Manager.

ALLEN & DAM, Proprietors.

ASTOR HOUSE

ON THE EUROPEAN PLAN.  
BROADWAY & VESEY ST.

New York, Tuesday, <sup>Nov 18-79</sup> 1879

My dear Sir:

We will remember that  
~~three or four~~ <sup>a week</sup> ~~ago~~ when I was  
in Roosevelt, McEgan & rather  
Rousseau, "Pelton's Oppose," I  
said to you "that mean that Parker  
is still working with Pelton," and  
recommended that once Wednesday  
power party as indispensable, Kiff  
cable maker what was only  
an influence a certainty, and  
inflecting since I left in place  
I am very strongly impressed  
with the necessity of cable  
at once to Rousseau & if you prefer  
it to "Rueher Careil" Rousseau's  
1. that power is needed. If you cable  
Rousseau in however cable with Griffin

which is all right. If to Carcél,  
it will be necessary put more words.  
The following "ai" is too good for  
Parker, however, average for post,  
saying nothing to him about money,  
a cable right to be sent to Parker  
at same time. For power works,  
~~be nothing~~ New one sent mail.  
You must bear in mind that  
Mr. Parker & Beithon have both  
signed the 30 Nov. the contract of  
fixion, and I fear that now both  
of them continuing to intrigue against  
W as is evident from considering what  
in Ruff's second cable. The other  
parties get their backs up. When  
you reflect on the Vishnurobec &  
Unburrows like conduct indicated  
by the change referred to of Ruff's labors,  
Parker having notified & accepted  
formally in presence of the entire Council  
= all the fixion. You will see that it may  
be a source of danger unless stamped

G. K. LANSING, Manager.

ALLEN & DAM, Proprietors.

**ASTOR HOUSE.**

ON THE EUROPEAN PLAN

BROADWAY & VESEY ST.

New York, ..... 187

Sir, and evidence given  
directly by me to all concerned  
that Mr. D. misrepresents  
me in his conduct, please  
to send me telegram advising  
me of your decision as I  
am very anxious about it.

Yours sincerely,

J. H. Bailey

J. H. Edison Esq.

Nov 14 19

Mr. May

My dear Mr. May

I have sent some  
letters for you to be handled  
and will send them to you  
Friday. They contain  
what I presented to you  
in my letter last evening,  
& the cables did not go too  
soon. I have put with  
them the argument as to  
movements of telephones 5-  
& on you, & the power for day  
will be taken out to you to  
know by Mr. Harry. Shall  
tell you Friday, I am, Mr. May

John H. Foster.  
Governor of New York.  
Gen. Walter Soren.  
Capt Francis Stone.  
Gen. S. Hamilton.  
Wm. L. Brewster.

P. O. Box 1836.

Porter, Lowrey, Soren & Stoner

Attorneys & Counsellors at Law:

No. 3 Broad St. New York.

Nov. 1879

My dear Editor

I overheard Bailey this morning giving instructions to Soren about some papers to be drawn up for you - upon inquiry it appeared to be the Power of atty to Mr. Hayes which is of course all right, but I took occasion to warn Soren that we cannot take instructions through Bailey for other people without running risk that &c &c &c

Bailey as Soren says is so "dominated enterprising" that one must be careful all the time; even cont in the press of business be careful in a proper way unless ~~or~~ except by insisting on having our instructions at first hand. There are apparently a good many papers being prepared and



John M. Porter,  
Esquire & Lawyer,  
Geo. Wallis Surin,  
Chas. Francis Starr,  
Geo. S. Hamilton,  
Wm. L. Porter.

2

P. O. Box 1836.

Porter, Loring, Loran & Stone;  
Attorneys & Counsellors at Law,  
No. 3 Broad St. New York.

I think you should come over to-morrow  
or Friday see Loren & understand them  
all yourself

I will send Charles Roth to Maule  
to-morrow as my Lieutenant to bring  
my little friend Dot - I hope  
she & her mother will excuse  
the lack of politeness which per-  
mits me to send a defut. to so  
cock a young lady, but I can-  
not help it.

I telegraphed thy. to you to-day &  
also that I would expect to take the  
Edison & yourself from the 1<sup>st</sup> at  
station at 2 o'clock on Saturday

Yours Hesk  
J. P. Loring

T. A. EDISON.

Menlo Park, N. J.,

Nov 19 1879

Mr. 19 Edison, ms

Have important letters  
this morning confirming proposals  
you action. Have given them  
for translation. My address  
Parker House Boston till  
tomorrow three o'clock

Pauling

24 Nov

6. Lombard Street, E.C. 4  
London, Nov 29<sup>th</sup> 1879

My dear Edison

In reply to the joint Cable  
of Gouraud, Johnson & myself  
asking you to disavow  
the proceedings in Paris  
& authorize a reorganization  
in Paris on the Continent  
on the general basis of the  
London Co (as far as applicable)  
providing at the same time  
for the carrying out of our  
contracts with Bailey, Puckas  
& the Edison Society etc. I have  
your Cable that you would  
carry out your contracts with  
Bailey & Puckas if you lost  
every dollar etc.  
To this we immediately replied  
assuming you had shown no  
lack of intention to have you

avoid any other engagement  
but merely to allow yourself  
to be protected against the  
humiliation of your name  
& telephone to the Government  
interests, & to put your telephone  
absolutely in the hands of  
Puckas who proposed to use  
your invention in its merits  
to carry their thing, but  
to bring with prominence  
other names to purpose of  
securing money with to  
which really belonged  
to you & mine.

That I have already written  
you in addition to the enclosed  
letters which I send from  
Puckas, constitutes our  
participation of taking the  
initiative & trying to put matters  
in Europe in better fix, especially  
as the smothering of your name  
in Paris was likely in the view of  
Gouraud Johnson & myself to result in  
injury of the interest which is the Paris

Program was giving much prominence  
to the claimants for the telephone  
as to make some points here first see  
absolutely confident that all litigation would  
succeed & that the London & Wales & would be  
practically free from competition.

I enclose you several cables read  
from Paskas, which will indicate what  
he feared, <sup>that</sup> that your cable allowing  
the Board to choose between him & Bailey  
was simply your nomination of Bailey,  
as Bailey, the former party, they had already  
set up, the job, ~~at~~ against him (Paskas).

Of course your cable I presume practically  
settles the position, it need now only be read  
for you to determine whether Bailey

(the white, Parker & Gray Co., shall) shall  
be represented & control your interests as  
to give them away to the Continent on  
terms unjust to you, even though practically (?)  
satisfactory to him Bailey, the former party,  
I must have written you Saturday, but at the  
last moment I hope to sail on the "Argentine"  
at some anxious before leaving here to take certain  
understanding with the R.O. Dept. & also  
with several of the Blebble Co.

The cable people here are very anxious to hear  
me call your attention to their need of a new &  
cheap warehouse in view of Quetta Ranch, which is  
3<sup>1</sup>/<sub>2</sub> h. 3/4 hrs. from the sea, 4.00 per acre for miles.  
A life which to leave here in the Argentine Nov 27. 66  
In reply, Jack Ruff.

T. A. EDISON.

Menlo Park, N. J.,

Nov 21<sup>st</sup> 1879  
12 M

NY 21

Mr A Edison me

We have handed Bailey papers prepared on his instructions to be signed by you. You must scrutinize them for yourself because without conference with you we cannot know your wishes nor perhaps understand exactly what your interests require. We expected you one today for this purpose.

Tanner

46 W.H.  
No 9



My Dear Sir:

Nov. 22/79

I called in at 10<sup>3</sup>/<sub>4</sub> at St.  
M. & Co., but was already sharp on time,  
& could not wait. — I supposed I should  
draw money from Banker to pay you  
and another bill for material, as owing to  
White's absence I was on a close margin.  
I shall see it remitted to you from Paris.  
Some of your papers will all be sent by  
Tuesday's mail as I anticipate the  
business may be nearly closed on my  
arrival from the clause in Roussell's  
saying he should try to keep it back  
till my arrival. — I find the two boxes  
of telephones on board all right.

Banker said to me that he was to  
meet you at Lowry's tomorrow.

and that all matters in Electric should  
stand as they are till he comes over,  
I will be ready to pay mine in (1/4 of the  
1/6<sup>th</sup>) whenever you want it after three  
weeks, perhaps after two, after my arrival  
in Paris. Please tell Giffin the concluding  
of your interview tomorrow to write me  
by first mail. Let me suggest to you  
to keep me well posted on all that passes,  
as it is after all of great importance in  
guiding me that you cannot expect  
in your absorption in your work &  
separation from mine. Within three  
days after my arrival in Paris  
will send you originally & translated  
of all papers shown you with additional  
matter. Sincerely yours.

Edison Ex 2. L. Bailey  
3

2

Nov 29, 79

J. F. Bailey  
45-Opera de l'Opera  
Paris ~~Fr~~

I hereby notify you  
that I have this day paid  
to Thomas A Edison the  
balance of the twenty five  
thousand dollars as per  
Contract of May second  
Eighteen hundred and seventy  
nine to be used by him  
as set forth in such  
Contract

James H Banker

55 West Park N.Y. 29

449  
2 Ki

3

Nov 29, 79

~~Nov 29~~  
Nov 29 45-Ava de l'Opera  
Paris

I hereby notify you  
that I have this day  
paid to Thomas A  
Edison the balance of  
the twenty five thousand  
dollars as per contract  
of May second Eighteen hundred  
and seventy nine to be used by  
him as set forth in such  
Contract

James H Banker

53 West Park N.Y. 29

445  
2 Ki



memo  
transmitted  
not page  
with this  
letter

Nov. 29/79

Dear Mr. Edison:

I find I have brought  
off the copy of your original contract  
with Parker. In view that by fail-  
ure to meet you this morning I was  
in my way be entirely clear, I ought to  
tell you that on coming in from New-  
York last morning, I dressed & packed  
my bag & breakfasted by which time  
it was ten o'clock. Then I called on  
Parker & had a few moments con-  
versation with him, & found that he  
was not disposed to pay any money before  
having some further understanding  
with you. This put me under need of getting  
some address, and as I cannot find  
at 12 pm can figure out that I had not  
much time. The telephone is now  
magnified to such a degree that it  
makes no difference so far as getting  
through is concerned, whether any record  
would be put up or not under an agreement  
with Parker. As they have a very good

is wanting to try it somewhere else. There are two points in this activity that seem to me worth of attention. Of course there may be other parties than those I have named above who are wanting to get in on the deal - I follow on the Continent & no doubt there are. Now the two points I pick out as important for us are the following (1) The Belg. Co. of the United States. They are important because of resources & command of instruments & more, from my point of view, I agree with you, that on transatlantic question they come in conflict with our policies. But a decision in such a matter cannot be reached at once, & in the meantime a foothold is gained in actual organization which we shall be forced, as matter of practical necessity to recognize sooner or later. I think it cheaper to get them in at outset & avoid competition & waste.

Bargain. They ought to put it up, if only to make a dividend on our stock, in case they take the option & become interested in countries other than Belgium & Australia. I understand Bankers to say that they desired to take the option, but I like Banker & Mr. Cutting Jr. - It occurs to me since leaving New York, that Bankers idea of keeping all operations in connection outside of France in suspense pending his arrival the latter part of January is not feasible. Things are taking shape rapidly in Europe. Roosevelt is working out. The Belg. Co. of the United States is arranging to enter the field. Parties interested in the Belg. Co. in England are also looking into it. (The Continental field.) Soberin having made a good guess - His campaign in France in connection with Florent. I have picked up some what I have picked up

4  
of time and energy. Now don't say  
I propose a surrender to all of them  
& buy them all up. of which there would  
be no end. No. I propose to pick out  
the two strongest & crush out the others.  
I propose to offer the Bell Co. rights  
to 10% of the business in countries  
on the Continent; outside of France, to  
make us no competition, put up no money  
but give more advantage of their connection  
all new devices and patents in telephony  
& accessories & to furnish any instrument  
desired at cost price. — (2) Roosevelt.  
I count Roosevelt as important because  
he is on the ground. Knows how to work  
& has as backers, Credit Mobilier &  
Edw. J. — Both powerful outside  
of France. I have no fixed terms  
in my mind with him. I think I  
could take away his two backers,  
but it would be an unworthy trick.  
If I can influence them indirectly  
and still leaving him with them

5  
make them take small proportions —  
I shall do all I can in that way by  
negotiating with them. need not negotiate  
them. But I consider a fusion with  
Roosevelt desirable, and whether they  
or the Bell Co. matter can wait till  
last of July. I shall work as hard as  
possible to drive things through &  
get to work outside of France  
within 30 days from time I strike  
Paris. Much of our success in  
covering ground in Europe will  
depend (1) on elasticity of combina-  
tion & work. (2) on command of  
large capital. (3) on <sup>instant</sup> command of  
large quantities of <sup>French</sup> instruments, as  
needed. So as by all these means  
to meet the demand of the people  
commencing to be an important  
note one) for the new communication.  
Subject to further consideration in

(which belongs to the Ed. Hel Co. & is in the  
 being a spending, & (p. 11) is  
 national enough, except that I  
 have proposed to him to make the  
 money payable in case they want to  
 get rid of payment of royalties,  
 \$7,500 instead of \$5,000, & to give  
 him \$1000 of allowing to receive  
 royalties or buy out for 12 mos  
 from Jan 1, 1888, instead of six mos  
 & he has proposed, in case he  
 gets the Bal. Co. on terms that he  
 is going to publish them, he to have  
 10% discount from either royalties  
 or purchase money to help in clearing up.

He is going to make me some  
 proposition in regard to Austral;  
 & probably New Zealand. I take  
 the liberty of telling to you now  
 that Australia was paid for, together  
 with the English Colonies (except

arriving in Paris I propose to  
 advertise for persons, from whom  
 = also partners to take up expenditure  
 in each city or town large enough,  
 the Central Company to furnish  
 material & experts on subjects of  
 money, & acceptance of the terms  
 proposed. I have no doubt  
 that Barker will see the force  
 of the above & accept it. I should  
 like to write all this a second  
 time so I will begin to present  
 it to him when you are in place.  
 Furthermore, I think Barker is so  
 absorbed in the sheet, that if I  
 wrote him directly, it would be like  
 throwing away as the letter would be  
 shoved into a corner & forgotten.

Barker has talked some  
 about Cuba & Australia. I  
 took his proposition about Cuba

Canada by <sup>and</sup> ~~Pursh~~ <sup>through</sup> ~~the~~  
the second clause on the last pag.  
of the Bliss-Pursh, continued con-  
= meaning "The parties of the second  
and parts" etc. you have the right  
to dispose of the colonies, subject  
to the conditions therein made in  
favor of Pursh. The eight months  
having expired & the colonies not  
being embraced in contract with Ed.  
Jill Co. of Europe. — I call your  
attention to the final clause  
in your contract with Pursh,  
which leaves me the right to  
name a price for ~~redemption~~ <sup>withholding</sup> etc.  
in addition to that <sup>withholding</sup> ~~reserved~~ for Ed.  
Jill Co. and which gives to you  
a means of protecting your interests  
in case of need under the or the  
light contract, outside of much  
more effecting than the clause  
above. "Exercise diligence" tells you  
what to do when looking over the contract.

the night before I <sup>9</sup> ~~stop~~  
with me. Unless I should  
call for you need not go to the  
trouble of having the original  
contract with Pursh legally veri-  
= fied. Indeed I think on looking  
it over (considering that it was  
executed under private seal) I  
shall need to get specific direction  
as to the manner of legalizing it  
from Rousseau. You will remember  
that it may be necessary in order  
to get your part paid over, but  
do nothing about it further till  
you hear from me.

Hope you will have written  
me what passed with Pursh  
as far as it concerns mutual interests,  
the Sunday at Downs.

Yours very truly  
J. H. Edson Esq. { J. H. Bailey  
{ (see other side)

Grand Hotel, New York, Nov 29 - 1899

**Grand Hotel,**  
Broadway, New York, N.Y.  
WILFORD SMITH,  
Proprietor

New York, 18

Please say nothing about the Bell Co matter, to any one except Banker, as I am getting them troubled without their knowing from what side it comes.

My cable address is  
Heraclite Paris

My P.O. address  
Case Munroe & Co.  
7 Rue Scribe  
Paris

not 45 ave opera

(1) according to contract price,  
France 8000 = 40,000 frs,  
in round number, not figures, exchange,  
sent - need for Edison patents in  
France, Dec. 5/78. 66,666,  
which is divided as follows according to  
provisions of contract.  
Amt. to be divided 40,000 frs.  
Edison 2/9 = 26,664  
Bliss 1/9 = 4,444.  
Parker 2/9 = 8,888 39,996 frs  
(fraction rounded)  
Remainder to divide, 26,666 frs.  
Edison 2/4 = 11,424  
Parker 1/4 = 13,833 26,671  
Bliss 1/4 1,904  
fraction assigned.  
Remainder of division of 66,666 frs.  
Edison 26,664  
Bliss 4,444 11,424 38,058  
Parker 13,833 8,888 6,348 44,436  
22,221 66,657  
Rounded to Edison 50,000  
due to be mailed 44,436  
Reck Muller 5,564 (see over)

Memorandum regarding your offer with Parker

GRAND HOTEL.

Broadway & 34th St.

—New York—

HENRY WILFORD SMITH,

ATTORNEY AT LAW

2.  
According to above  
it would seem that  
Puckas visited you in Dec. last  
about New York, 18  
\$5.50 per in excess of what he was  
under obligation to remit according to  
terms of contract. I lose in memory  
however that he told me at the time  
that there were matters of afe between  
you in connection with phonograph  
- sales furnished him by you, or some  
apples that he was under obligation  
to repay to you, covering this apparent  
excess. This should be looked up  
at once, and you write me about it,  
because unless there is some offset  
in afe between you, the excess above  
noted would nearly cover the amt.  
of your bill as made up by Car =  
=man the last night I was at your  
place. —

Samuel S. White <sup>and</sup>  
Joshua F. Bailey

- with -

The Compagnie Generale  
de Telephone

City

Agreement

This Agreement made the                      day of No-  
vember in the year One thousand eight hundred and seventy-nine  
between Samuel S. White of Philadelphia, in the State of Pennsyl-  
vania, and Joshua F. Bailey of 48 Avenue de l'Opera of Paris in  
the Republic of France parties of the first part, and the Compa-  
gnie Generale de Telephone of France, hereinafter called the com-  
pany of the second part, Witnesseth:—

Whereas the parties of the first part have  
heretofore acquired and may acquire hereafter all the right, title  
and interest in and for the Republic of France of Frederick M.  
Fitch, George F. Phelps and Eliza Gray in their inventions and  
improvements of Speaking Telephone; and in Letters Patent of France  
therefor, and the said Company has acquired certain of the inter-  
est of the parties of the first part in such inventions, improve-  
ments and letters patent and is desirous of acquiring such further  
interests in the inventions, improvements and Letters Patent of  
the Republic of France therefor, of said Fitch, Phelps and Gray.  
and may be acquired by the parties of the first part within the  
period of fifteen years from the date hereof.

Now, in consideration of the promises and of  
the mutual covenants and agreements of the parties hereto, as  
hereinafter set forth, they respectively agree with each other as  
follows:—

First: The parties of the first part agree



to assign, convey and set over to the Company, all the right, title and interest in and for the Republic of France, which they may acquire within a period of fifteen years from the date hereof, to any inventions and improvements in Speaking Telephones made by Fitch, Phelps and Gray, or either of them, and also all the right title and interest which the parties of the first part may acquire within the same period in and to any Letters Patent of the Republic of France for any such inventions or improvements aforesaid which may be so acquired by them, and that they will, from time to time, as such inventions or improvements are acquired by them from said Fitch, Phelps and Gray, or either of them, assign to the Company, by due and sufficient instruments, all their right, title and interest therein, and will also from time to time as they may be granted, assign to said company all letters patent of the Republic of France which may be granted to or acquired by the parties of the first part for any of said inventions or improvements.

Second: The parties of the first part agree to make the assignments to the Company of their interests in all such inventions, improvements and letters patent as aforesaid, which they may acquire within the period of five years from the date hereof, without compensation.

Third: The parties of the second part agree to pay all the usual charges and fees for the patents that may be applied for in the Republic of France and all reasonable charges for experiments the construction of models, the said charges not in any one case to exceed the sum of five hundred dollars.

Fourth: As to all such inventions, improvements and letters patent as aforesaid which may be acquired by the parties of the first part after the expiration of the five years mentioned in the second clause and before the expiration of the fifteen years from the date of this instrument, it is mutually agreed by the parties that immediately upon the issue of Letters Patent of France for any such improvements or inventions, it shall be the duty of both parties hereto to agree upon a compensation to be paid by the company to the parties of the first part for their right, title and interest in such letters patent and in any invention or improvement described therein, and in case they are not able to agree together within three months from the issue of such letters patent upon the price to be paid to the parties of the first part therefor, the matter of compensation shall, on the written demand of either party hereto, be submitted to the arbitration of two persons, one to be chosen by each party, and the decision of such arbitrators, or if they are not able to agree, they should select a third, and then the decision of two of such three arbitrators as to compensation shall be finally and binding upon both parties; and the company will, upon agreement, in either way thus provided, as to the price, forthwith pay the same to the parties of the first part, and they agree to accept the price so fixed as full compensation for all their right, title and interest in the letters patent or in the inventions or improvements covered thereby.

Fifth: Both parties agree that this agreement

applies only to the ownership or use of the inventions, or improvements herein referred to within the Republic of France and not elsewhere, and to such letters patent only therefor as may be granted by the Republic of France.

Sixth: The parties hereto mutually agree that their respective covenants and agreements shall bind and inure to the benefit respectively of the executors, administrators and assigns of the parties of the first part, and of the successors and assigns of the parties of the second part.

Thomas Alva Edison

- with -

The Compagnie Generale  
de Telephone.

City

Agreement

This Agreement made the \_\_\_\_\_ day of December in the year One thousand eight hundred and seventy five between Thomas Alva Edison of New York, and State of New Jersey of the first part, and The "Compagnie Generale de Telephone" of France, hereinafter called the Company, of the second part Witnesseth:—

Whereas said Edison has heretofore made certain inventions and improvements in Speaking Telephones, and has received and may hereafter receive letters patent of the Republic of France therefor, all the right, title and interest in which letters patent have been or may hereafter be acquired by said company; and it is desirous of acquiring all the right, title and interest in any further inventions or improvements in Speaking Telephones of the same character which said Edison may make within the period of fifteen years from the date hereof in any letters patent of France which may be granted therefor.

Now, in consideration of the premises and of the mutual covenants and agreements of the parties hereto, hereinafter set forth, they respectively agree with each other as follows:

First: Edison agrees that all inventions or improvements in Speaking Telephones which he may make within the period of fifteen years from the date hereof, and all improvements which he may make within \_\_\_\_\_

Witness my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_ 1875.

the same period upon any of the inventions in Speaking Telephones made by him during that time, so far as they may be covered by letters patent of France, or might be exclusively enjoyed by him in France, shall belong to the company of the second part, and that he will, from time to time, as such inventions or improvements in Speaking Telephones are made by him file in the proper office in France for that purpose, such caveats as may be necessary to protect the same, and will duly and promptly in all such cases file his applications in such office for letters patent of France therefor, and will, upon performance by the company of the engagements on its part to be performed as set forth in this instrument, sign, seal, execute and deliver to said company assignments of all such inventions and improvements in Speaking Telephones conveying to it all Edison's right, title and interest for France therein and in any Letters Patent of France which may be granted therefor.

Second: Edison agrees to make assignments to the company conveying his whole interest in all such inventions and improvements and letters patent for Speaking Telephones as aforesaid which he may make or acquire within the period of five years from the date hereof without compensation.

Third: It is mutually agreed by the parties that as to all such inventions improvements and letters patent for Speaking Telephones as aforesaid which Edison shall make or

acquire respectively after the expiration of the five years mentioned in the preceding clause, and before the expiration of fifteen years from the date of this instrument, Edison shall take all such steps to secure letters patent of France as are provided in the first clause hereof, and immediately upon the issue of such letters patent for any such improvements or inventions in speaking telephones as may be made by him within the period last aforesaid, it shall be the duty of the parties hereto to agree upon a compensation to be paid to Edison for the invention or improvement in speaking telephones described in such letters patent and in case they are not able to agree together within three months from the date of such letters patent upon the price to be paid to Edison therefor, the matter of compensation shall, on the written demand of either party be submitted to the arbitration of two persons, one to be chosen by each party, and the decision of such arbitrators-- or if they are not able to agree, they shall select a third, and then the decision of two of such three arbitrators as to compensation shall be final and binding upon both parties hereto. And the company will, upon agreement in either way, as to the price, forthwith pay the same to Edison, and Edison agrees to accept the price so fixed as full compensation for all his right, title and interest in the respective inventions or improvements or letters patent for which it may be provided.

Fourth: It is further agreed that the customary fees and the annuities of the patents applied for by the party of the first part shall be paid for by the parties of the second

4

part and also that the parties of the second part shall reimburse to the party of the first part his reasonable charges for experiments and the construction of models of the inventions conveyed by him to the company. The said charges not in any one case to exceed the sum of five hundred dollars.

Fifth: Both parties agree that this agreement applies only to the ownership or use of the inventions or improvements herein referred to, within the Republic of France, and not elsewhere and letters patent for Speaking Telephones only as may be granted by the Republic of France.

Sixth: Edison and the company mutually agree that all the covenants and agreements made herein by them respectively shall bind and inure to the benefit respectively of Edison's executors, administrators and assigns.

In Witness Whereof the said Edison has hereto set his hand and seal, and the Compagnie Generale de Telephone de France has hereto set its corporate seal and caused its name to be signed by its President the day and year first above written.

THEO. PUSKAS

*(Theodore Puskas)*

45 Avenue de l'Opera  
Paris, le 1<sup>er</sup> Dec. 1879.

My dear Edison,

The third annuity on  
your French patent has  
been paid by us already  
some time ago.

Very truly yours  
Theo. Puskas

Thomas A. Edison Esq  
New York



DREXELMORGAN & CO.  
Wall St Corner Broad.  
New York.  
DREXEL & CO.  
Philadelphia.  
DREXEL, HARRIS & CO.  
Paris.  
1879

New York Decr 1 1879

J. A. Edison Esq  
Menlo Park  
N.J.

Dear Sir,

We enclose herewith draft  
of Theo Puskas on Yourself for \$26.<sup>00</sup>  
for which amount please send us  
your check. I oblige

Yours truly

Drexel Morgan

Check to J. A. Edison

5m WATERHOUSE & WINTERBOTHAM,  
Solicitors.

1, NEW COURT,

CAREY STREET,

LINCOLNS INN, W.C.

2nd Decr 1899

*file*

My dear Sir,

I beg to thank you for your letter  
of the 19<sup>th</sup> ult. this morning to hand  
enclosing Copy of one of the 13<sup>th</sup> ult.  
from Mr J. F. Bailey to yourself.  
I hope that the understanding expressed  
in that letter will be adhered to by  
the writer.

Believe me,

My dear Sir,

Yours very faithfully

W. R. Waterhouse.

J. at. Edison Esq.

Menlo Park

N. J.

U. S. A.

}

*Edison*

Edison

Menlo Park

Decr 29  
7<sup>05</sup>

Cable date power

mailed

Bailey  
London

10 London  
Direct  
4/9

1. Bailey London

Survey

Twenty ninth

4 Mead Park 22  
"Direct"

8 PM  
S. L.

DREXEL, HARGES & CO.  
PARIS.

DREXEL & CO.  
Philadelphia.

DREXEL, MORGAN & CO.  
New-York.

St. Boulevard Haussmann.

Paris 16 Dec. 1879

Paris Dec 16, 79  
John Harges  
No reply

Dear Sir,

I am just in receipt  
through Messrs. Drexel Morgan & Co.  
of your letter to me of Nov. 21<sup>st</sup>  
concerning your attorney in my  
favor, and statement signed ac-  
counting against Mr. Charles Parkes  
amounting to \$1576 & to whom  
you have given a power of  
attorney.

Immediately on receiving  
these documents I sent for Mr.  
J. E. Bailey, who, however, has not so  
far appeared. The matter, however,  
has my careful attention, & I shall  
report later. Yours, Dear Sir,

Thos. A. Hedges

John Harges  
Thomas A. Hedges Esq.  
New York City, N.Y.

Thos. A. Edison, Esq.  
Menlo Park.

New York, Dec. 18, 1879.  
ST PINE STREET.

Dear Sir,

Our mutual friend Mr. Packard informed me under date of Dec. 1<sup>st</sup> that he had received a cable on the previous day from Mr. Banker, reading as follows:

"I hereby notify you that I have this day paid to Thomas A. Edison the balance of the twenty five thousand dollars as per contract of May 2, 1879 to be used by him as set forth in such contract."

James H. Banker.

I have asked Mr. Lowrey in regard to this, but he is not able to give me definite information. Will you kindly state what is the correct state of affairs, so that I may communicate the facts to Mr. Packard.

Yours truly  
R. C. Guinness

Mr. B has given  
me a ~~little~~ ~~little~~ ~~little~~  
for the ~~the~~ ~~the~~ ~~the~~  
can be ~~the~~ ~~the~~ ~~the~~  
baptized. I expect to  
call on him in a few  
days for a large  
portion to be  
for the  
to be  
hurry  
M. H. H. H.

Paris

27. December 1879.

My dear Sir,

I send you herewith Translations of the several letters of Mr. Rousseau to Mr. Chastant & also of the Minutes of the first Meeting & second Meeting of the Edison Telephone Coy which were shown to you by me. I also send a translation of my Agreement with the silent Partners in the Society of the Telephone Edison in the matter of the loan of 100,000 francs made to the Society for the purpose of enabling it to continue business. I also send you a copy of the Receipt of Mr. Pelloux given to Mr. Roosevelt in the matter of the purchase of the Godillot-Braney interest in the Edison Coy. These letters probably give with sufficient detail the facts connected with the matters that were considered by you during my recent visit to the States. I will only say that if at any time there is any point in regard to which you desire information I shall be ready to furnish it and to confirm it with any testimony of the various persons who have been concerned. I will also get from Dr. White as soon as he is well enough to give any attention to such matters copies of the letters which were sent by me to

T

him I think were shown to you previous to my arrival  
in the States. All these papers will give sufficiently  
detailed account of the points not covered by the letters  
of Mr. Rousseau & I will also send at  
any time furnish you with any further details & the  
evidence of the facts therein stated. In regard to the  
fusion of the three Companies arranged by the Agreement  
of 14th October 1879 I call your attention to the fact that  
a proposition was made for a fusion about 3 weeks  
previous to this date by Mr. Roosevelt & the parties associated  
with him. This proposition was on the basis of 1/3 of  
each of the three Companies with no guarantee as to  
administration & was transparently nothing but a  
stock operation. It was further proposed that the name  
of the Company to be organized should be the Compagnie  
Nationale des Telephones. Mr. Prokas warmly supported  
this proposition for a fusion & took no exception to the  
name that was proposed. When we had decided to  
decline it Mr. Prokas called me on one side & said to me  
you have no right to speak for me and I am in favor  
of the fusion. The day that the draft of an Agreement  
was drawn up informally for submission to the  
various persons interested in the different Societies  
the first & only copy of it that I had was given to  
Mr. Prokas. He & Mr. Berthou were signed  
were every day in consultation with me & with other  
persons in our or the other Societies with regard to the  
terms proposed and were fully informed of all the  
discussions that took place. Mr. Prokas went with the



copy of the Agreement that I had handed him. The second  
or third day that he had received it to Mr Soule in. I told  
him that he was satisfied with it in all respects, except  
that he wanted to change the name of the corp. <sup>to Edison Telephone Co.</sup> He also  
told me that he was satisfied with the terms proposed  
for the new Company & said that he wanted to be on  
the Board of Directors. Mr Benton also formally  
accepted the terms proposed both as regarded the corp &  
also as regarded his personal interest & position. This not  
only in conferences between him & myself but in  
interviews with other persons concerning whose testimony  
both as to his & Mr Puskas acceptance of the fusion is  
easily produced. Three days after the Agreement for  
a fusion had been signed both Mr Puskas & Mr Benton  
made a right about face & undertook to break up the  
fusion. I will not go into the details of the reasons  
of this, but only state the fact. In addition to the  
papers enumerated above I enclose a translation of a  
letter of Mr Soule's confirming my statements as to  
Mr Puskas' acceptance of the fusion. I think that this  
with the Minutes of the proceedings at the second  
Meeting of all the parties is all that need be said on  
this subject.

Yours very truly  
J. D. Bailey

## First Meeting

### Telephone Tower

The 18<sup>th</sup> October 1899 at 4 p.m. have met in the offices of the Tower Telephone Co. at 66 Rue Nave des Petits Champs.

Mell. le bonk Toucher de bareil officer of the Legion d'honneur, Sinateur residing at N<sup>o</sup> 9 Rue François 1<sup>er</sup> Paris.

A. Jametel officer of the Legion d'honneur Banker residing at N<sup>o</sup> 51 Rue Théophile Paris and

L. Souloin, Engineer residing at N<sup>o</sup> 74 Avenue de Villiers Paris representing the Société Française de Correspondance Téléphonique.

S<sup>r</sup> L. W. Evans officer of the Legion d'honneur residing at N<sup>o</sup> 99 Avenue Malakoff Paris.

Alfred Chastard, Banker residing at N<sup>o</sup> 49 Rue de Berlin, Paris, and

J. F. Bailey residing at N<sup>o</sup> 10 Rue Thiers Saint Germain en Laye.

accompanied by Master Rousseau their Counsel representing the Société du Téléphone Edison, and

Ed. Duchateau residing at 33 Rue Daguerre Paris.

le bonk A. Malvert residing at N<sup>o</sup> 4 Boulevard Michodière Paris and

L. Rotovolt residing at N<sup>o</sup> 23 Rue de la République Paris representing the Group of the Société du Téléph. Tower.

Monsieur le bon Toucher de bareil is invited to

the chair and Mr. Souleir is asked to do the duties of secretary.

At the request of the President the agreement is read in consequence of which this meeting takes place and of which the following is a copy;

The undersigned

1. Mr. Edward du Chateau residing at Paris Rue de la Michodière 4 & Mr. business Roosevelt residing at Paris 23 Rue de la Papimère of the Telephone Society Governor 66 Rue Marm des Petites Champs Paris - of the one part.

2. Mr. Joshua Franklin Bailey of St Germain en Laye N° 10 Rue Thiers of the Society A. Berthou & Co for the Telephone Edition & others 45 Avenue de l'Opéra Paris - of the other part.

3. And Mr. Leon Souleir of Paris 74 Avenue de Villiers of the Society Blake 4 Avenue de l'Opéra - of the other part.

Agree as follows;

Art. 1.

The three Telephone Societies Edison Governor and Souleir shall be joined in one and the same Society in the anonymous form with a capital of 8 millions of francs divided in 16000 shares of 500 francs each of which 9000 to be subscribed and 7000 to be attributed to the three old Societies as representing the property brought in by them and in the following proportions,

To the Society Edison	1548,500
To the Society Governor	1102,500
To the Society Souleir	849,000

## Art. 2.

Reserve and priority is made to each of the old Societies to subscribe the 9000 further shares namely.

By the old Society Union 1991. 500

By the Society Sover 1417. 500

By the Society Soulerin 1091. 000

## Art. 3.

The profit to be divided shall be attributed in proportion to the ownership of the shares.

## Art. 4.

The Board of management shall be of 12 members named under the Statutes for 3 years and these Members shall be chosen;

5 By the Union &c

4 By the Sover &c

3 By the Soulerin &c

The President shall be Mr. Foucher de Careil of the Soulerin &c

## Art. 5.

The 12 Members of the Board in question shall receive for preliminary mission to settle the form of the Statutes and to submit the same to the Authorities who shall be charged to put the same into legal form - They shall vote by the majority, and must be at least 9 in order to vote validly, the President shall have the casting vote.

The Board of Direction shall select and designate the principal office and generally all things connected with the said Statutes - It shall settle the value of the stock and

furniture of the business, the losses of cash of the three Companies and the whole amount shall be repaid to each of the three old Companies each according to its interest.

Art. 6.

The funds subscribed shall be deposited with the Credit Mobilier as the Banker of the Company.

Art. 7.

By express agreement all the shares shall be syndicated for 6 months from the date of the definitive constitution of the Company - The syndicate shall be composed of three Members one from each of the three old Companies - The syndicate shall be the sole judge of the price at which the shares may be sold.

Art. 8

Each of the undersigned engages himself for the whole of each of his copartners in the old society of which he forms part.

Made at Paris the 14 October 1899

( Follow the signatures )

The undersigned

Messrs Duchateau & Rossetti of one part  
Mr Bailey of another part  
Mr Soulerin of the other part

as complement to the agreement of fusion of this day it is agreed between the three contracting parties that in case of non ratification by any one of the Members of the 3 old Societies within 8 days from this day the Society whosoever one of the Members should refuse his ratification should be dissolved by its other Members and liquidated judicially in case of need but that notwithstanding this liquidation and immediately after the conclusion of the operations of such liquidation the projected

fusion shall be realized.

Made in three parts at Paris this 14 October 1879

Read & approved	Read & approved	Read & approved	Read & approved
Duchateau	J. F. Bailey	L. Soulerin	André Moret

Mr. Truchet de Baisel thanks his colleagues for the honor which they have done him and declares that he accepts temporarily at least the office of president of the Council if only to show his approbation of an understanding which he considers essential in the interests of all.

All the gentlemen present ratifying the agreement it was proceeded to a cursory examination of the Draft of the Statutes submitted by Mr. Duchateau a copy whereof is annexed to the Minutes.

On the proposition of M<sup>r</sup>. Moret seconded by Mr. Jamot it has been unanimously agreed that the name of the Society in formation shall be 'Société Générale de Téléphones'. - It is decided that at the General Meeting nobody should have more than 20 votes whether in his own name or as Attorney. It is decided that before proceeding to a more minute examination of the Draft of the Statutes to submit to the 3 Notaries before whom the same is to be signed certain questions of law concerning the omission of shares, the dates of their payment &c. - The three Notaries selected are Messrs. Dupont, Laroque, & Thorel Notaries of Paris.

M<sup>r</sup>. Moret supported by Mr. Jamot demanded the formation of an executive Committee composed of Messrs. Bailey, Soulerin & Moret which shall be down to the complete organization of the Société Générale de Téléphones

involved with all powers necessary to act in the interest of all the groups joined from this time into one - It shall be part of the duty of this Committee to take all the steps and make all the expenses useful for the immediate carrying out of the work of establishment and installation of lines apparatus and otherwise; to establish, subject to subsequent approval by the present Council of Administration, all the tariffs and other conditions of subscription, in a word to do everything that shall be well so that the progress of the enterprise be not stopped by any of the delays which might delay the definitive Constitution of the Anonymous Society.

This proposition is unanimously adopted, and the 3 Members nominated accept the duty which is confided to them, Mr Bailey making however certain reserves in the absence of his partners - Mr Duchakow offers and his offer is unanimously accepted to make in the name of the Society lower the advances of funds necessary so that the Executive Committee may act efficiently.

The meeting was then adjourned to meet again at the same place the 20th instant at 4 p.m.

Telephone Lower

Telephone Tower

Extract of Minutes of  
second Meeting

The temporary Council of Administration met, 66 Rue Neuve des Petits Champs, on the twentieth of October eighteen hundred seventy nine at 4 o'clock p.m. as it was decided in the preceding meeting.

Were present, Messrs  
Lebon, Fournier de Careil, president.

Jametel  
Loubet, Molvèze

Buchanan

Rosenell

Dr. Evans

Hailey

Chataud, represented by Mr. Rousseau

Soulerin

Messrs A. Barton & Th. Piekas of the Society A. Barton & Co. convoked on the demand of Mr. Barton, were also present.

The lecture of the procès verbal of the preceding meeting is remitted to another meeting.

On the invitation of the president to make his observations to the meeting, Mr. Barton declared that he refused, as judge of his cause, the competence of the present Council, which he knew was unfavorable in advance. He pretended not having been kept an account by his associates with the negotiations which had been conducted by Mr. Hailey alone, the same having no right to act in the name of Messrs Barton and Piekas, repudiated all that Mr. Hailey has done in the name of the Group of the Society Edison and seeing



that they have never been consulted during the negotiations, they demand that these negotiations be taken up on a new basis. They wish information first as to the totality of the expenses to be reimbursed in case the fusion already signed, that is to the Society Lower and the Society Française. Mr. Duchateau replied that the Society Lower, will claim 55000 fr. about and Mr. Loubin declared that the Society Française has expended about 30000 fr. Mr. Porton admits the principal of the fusion but on a different basis. He declares that he puts aside all personality and he advances himself for absolutely no position in the Society, to be organised, other than that which has been offered him.

Mr. Bailey declares that Mr. Porton was informed and held an covenant with all the negotiations which he has made, he can prove in writing of Mr. Porton, that Mr. Porton was invited to attend a reunion which he declined to accept. Mr. Porton had a project of the contract which has been signed in the same proportions for the different parties interested, further than this at a reunion held Monday the 11th at St. Evans' house all the parties interested in the Society taken were present and on that occasion Mr. Porton & Mr. Duckas gave their complete approbation to what had been done by Mr. Bailey, the sole preoccupation of Mr. Duckas was to obtain a place in the Council of Administration of the future Society, to which he desired to attach the name of Mr. Edouard Mr. Evans and Mr. Rousseau corroborates formerly these remarks of Mr. Bailey, which in fact Mr. Porton & Mr. Duckas did not contradict. Mr. Porton on the contrary acknowledged that he was familiar with the contract signed, but he nevertheless insisted in demon-

during the resumption of the negotiations. Mr. Buchanan considered the act of fusion as good and holding and propose to adjourn to Thursday next at 4 o'clock to hear the explanations and the propositions of Mr. Bailey, which was adopted unanimously.

Celephane Gower

The adjourned meeting not having a quorum, the Society was only able to receive Mr. Bailey's remarks which were to the effect that it was agreed to put the Society motion in dissolution and demanding the necessary time which was in principle granted to him.

1879. Telephone - Foreign - United Kingdom - General (D-79-041)

This folder contains correspondence, agreements, reports, and other documents relating to the business of the Edison Telephone Company of London, Ltd., which was incorporated in 1879. Much of the correspondence is by Arnold White, the company's secretary. There are also many letters by Edison's associates, George E. Gouraud and Edward H. Johnson.

Much of the correspondence is in the form of cable messages. Code names were frequently used for the authors and recipients of these cables. The following is a list of the most commonly used cable codes:

Menlo Park London	George E. Gouraud
Quephone	Edison Telephone Company of London
Phonos [or Phonos London]	Edward H. Johnson
Phonos Menlo Park	Thomas A. Edison

Approximately 90 percent of the documents have been filmed. The following categories of documents have not been filmed: correspondence from express companies relating to the shipment of telephones; duplicate copies of selected documents.

Copy.

223 Graham House

111 Broad St -  
N. Y.

Colonel Green

Admiral Coe

Room 504 No. 4 Cannon

6 Lombard St. E. C.

Gentlemen,

I enclose extract from  
the Mornings Standard. Being  
letter from me to that journal  
I do to call your attention to the  
challenge therein contained, and if  
you profess to be owner of any  
know or righteousness you will  
either disown or bear Evers  
behalf, all claim to this being  
the original inventor of the  
Speaking Telephone, or explicitly  
put forward such claim, stating  
the evidence upon which it  
is founded

Yours faithfully

John Edw. Brown

(Sd) W. Scott

*The Standard*  
January 13, 1879

# THE TELEPHONE.

## TO THE EDITOR OF THE STANDARD.

SIR—In the serial summary which appeared in your issue of this morning Mr. Edison is mentioned as being the inventor of the speaking telephone.

As the representative in this country of Professor A. Graham Bell, the inventor of the speaking telephone, I have to ask your permission to contradict the assertion in the most positive manner. Mr. Edison's friends here most indignantly endeavored to spread this false impression abroad, and, as appears from your article, with considerable success. As, however, they have the courage never to attach their own names to any such statement, I anticipate that it shall come before the assembly of some third party. I think you will, in justice to Professor Bell, permit me publicly to challenge Mr. Edison's agents in London; Colonel Garret and Mr. Adams, to make and support this statement definitely in your columns under their own names. I shall take care to give them notice of the appearance of this challenge.

The reading public have no time to enter upon an inquiry as to the original inventor of the speaking telephone; but they upon whom they are in the present. The testimony of Sir William Thomson (who was one of the jury in the Philadelphia Exhibition which awarded to Professor Bell the gold medal and award for the invention), will be accepted by most in Great Britain. He is admitted to be by far the greatest authority in the country on electrical matters, and his testimony is gathered from the following words taken from an address he gave to the Glasgow Science Association:

"Professor Graham Bell," said Sir William, "conceived the idea, solely original and absolutely new, of giving continuity to the electric current, and producing effects which would be in proportion to the motion of the air produced by the voice, and with the diagram he sketched showed effects at a distance of miles, by means of miles, wires, so that not only was the transmission of the voice instantly secured, but the different qualities of different voices could be discerned."

I think that declaration of Sir William Thomson, that the invention was "wholly original and absolutely new," with Professor Bell, sufficiently indicates the opinion of some scientific men whose business it is to look for new inventions, investigate, and, in their own special departments of science, to give them absolute certainty.

I am, Sir, your obedient servant,  
A. BODIN.  
London, January 13, 1879.

[FROM GEORGE E. GOURAUD]

Cable Jan 16 79  
1125-

Edison  
Menlo Park

Tyndall lectures seventeenth  
February your acoustical  
discoveries Send complete  
instruments Especially  
receiver Answers

15 London  
E. W. A.

6 Lombard Street E.C. Have been  
17<sup>th</sup> January 1879. <sup>part of a lecture</sup>  
<sup>... 3 weeks</sup>

Thomas A. Edison Esq  
Milton Park  
Rushmore

Mr. Howard says that  
we have been waiting  
over 2 weeks for a  
manifestation to deliver  
the new theory but from  
the new theory I get the  
impression that it will be  
very interesting

Sir,  
As Colonel Howard is unavoidably absent from  
town today, he has asked me to confirm telegram  
sent you yesterday of which copy is annexed.  
Telephone.

The occasion which gave rise  
to this telegram was the receipt of a communi-  
cation from D. Chydatt, the scientist to the effect that he  
would be glad to see Colonel Howard on the subject  
of your inventions. At the interview which ensued, and  
at which I was present, it appeared that D. Chydatt  
was about to lecture before the Royal Society, firstly on  
the different systems of Electric lighting, and afterwards to  
commence a series of discourses on sound, during which  
the whole range of your acoustical discoveries, so far as  
they are understood in England, were to be dealt with by  
the Professor.

As it was impossible for Colonel Howard

to furnish Dr. Tyndall with any information regarding your researches in connection with electric lighting, it only remained for him to render the Professor as much assistance as possible in respect to the lecture on Sound, & a telegram was accordingly sent you.

Dr. Tyndall expressed himself with the greatest consideration, and undertook to occupy a whole evening with the subject of the telephone alone. As by this means the projected Company will receive a strong impulse in the right direction obtainable in no other way, it is most important in your interests that you should transmit in time for the lecture on the 25th or 26th of February one or two of the new records. If it be impracticable to do this, be so good as to inform Colonel Gouraud by earliest mail, and if necessary postpone his lecture a week or two, if by so doing he will be enabled to assist with experiments the practical working of the new records.

Phonograph. It is also desirable for the same reason that you should send by first mail an order on Mr. Noyes to supply Colonel Gouraud with a good instrument for the lecture in which the phonograph



is explained. If this be not done the subject may be prejudiced by faulty or incomplete argument. Dr Lynden expressed his desire to do you every justice, and a long interview left no impression with the desirability of cultivating so rich a field.

General. By this opportunity I send you a copy of this week's Spectator, on page 15 of which you will find some humorous allusion to yourself.

I am,

Sir,

Your obedient servant,

Amold White

Enclosure

Important!!!

My dear Edwin -

Revised - Ray do  
not lose a moment  
summarizing the foregoing  
this as under 1, 2, 3, 4, 5, 6, 7  
I can make no substan-  
tial progress with my  
negotiation as such  
people as we want  
will not go into the  
thing with the certainty  
of litigation as must  
be the case if we use  
the so-called Bill  
Claphorn as a revision.  
We might expect this  
patent. What about

the law come for or then  
considering with the  
depth of this we are discussing  
once we have the  
new revision - Out to  
Murch has been sent  
in the paper about  
the that people are  
getting impatient.  
Meanwhile beside we  
are expected to the  
division of other equally  
good Claphorn apparatus  
in the first - that fellow  
Paine to now have  
failing everywhere about  
a telephone in the  
which he calls a "Carbon  
Train" & "Microphone"  
Train with 6 to 800 all  
cuboid as I have

No doubt that there is an  
impression - but still  
he can make  
trouble by circulating  
false reports.

The movement I have  
the Mrs. Reever I shall  
move with of our &  
have no doubts of most  
satisfactory results &  
Gardall's lecture as  
advised by Cohen will  
be the best possible  
opening for the provin-  
cial campaign & to  
am sure you will not  
fail to support me  
at this critical moment  
with your usual prompt-  
ness & efficiency.  
Please Cable me

Name of Reverend  
Presiding the Reever -  
Also the word 'Gardall'  
if you will have all  
he wants as letter for  
his lecture on your account  
his discovery "for 17th  
Feb. He ~~has~~ says  
promise to do so before  
full notice & will give  
our entire lecture to  
the Reever -

Full of promise. There  
a nice person the Hall  
of the Royal Institution  
% Liverpool - a brilliant  
Ravenshaw wife - note one  
one of Gardall  
John Reverend

Important.

London Jan<sup>y</sup> 1879

My Dear Edison

"Receiver" Pray do not lose a moment unnecessarily in forwarding this ~~article~~ as until it is rec'd I can make no substantial progress with my negotiations as such people as we want will not go into the thing with the certainty of litigation as must be the case if we use the so called Bell telephone as a receiver. We might upset their patent which would be worse for us than consolidating with them. Both of these are unnecessary once we have the new Receiver, and so much has been said in the papers about this that people are getting incredulous.

Meanwhile besides we are exposed to the danger of other equally good telephones appearing in the field. That fellow Bailey is now here talking everywhere about a telephone he has which he calls a "Carbon receiver & microphone transmitter." No doubt all rubbish as I have no doubt that he is an impostor - but still he can make trouble by circulating false reports. The moment I have this new receiver I shall move with vigor & have no doubt of most satisfactory results. Tyndall's lecture as advised by Cable

will be the best possible opening  
for the financial campaign and I am  
sure you will not fail to support  
me at this critical moment with  
your usual promptness & efficiency  
Yours truly  
C. C. Smith

“Please Cable me name of Steamer  
bringing the “receiver” also the word  
“Tyndall” if you will have all he wants  
in time for his lecture as your  
“accountual discoveries” for

7th Feby. He says "I promise to do Edison full justice and will give you entire evening to the Telephone."

I will, if possible have a wire from the Hall of the Royal Institute to Liverpool. A midland railway wire not none of Preece's.

Wm. H. Gouvard

Manufactures during the year

*Rivulus marmoratus*

Yip H. Ch. 12 and 13

Feb. 1958

Jan'y 31 79

2 Cable  
Goussaud London

Manufacturers delay delivery

Receiver impossible reach

Tyndall in time

Edison

12 M Paul

11 3/4 Aug 79

6 Lombard Street London E.C.

1<sup>st</sup> February 1879

T. O. Edison Esq

Menlo Park

New Jersey

Dear Sir,

I have your cables as follows:-

Manufacturers delay delivery receiver

Impossible reach Tyndall in time

This is most unfortunate but I will see

Professor Tyndall, and if possible get him to defer his lecture. I trust you have fully appreciated the importance of the introduction to the scientific world which meeting his wishes will insure.

I am seeing what can be done to follow him up with a series of lectures throughout the Province. In this connection it is desirable that you should send me at least one complete assortment of everything you wish exhibited, and half a dozen of everything that cannot be equally economically





6 Lombard Street London E.C.

1<sup>st</sup> February 1879

T. A. Edison Esq

Menlo Park

New Jersey

My Dear Edison,

I send you copy of Correspondance Scientific  
from which you will see that somebody  
appears to have made the resume which you are  
promising us. This is the great danger of the  
situation. A good lump of money can be got for  
you immediately we can move without the certainty  
of legal conflict with the Bell company. Surely  
must be worth your while to give this resumed  
business a little more attention than you may have  
thought it necessary up to this time. In a word  
that you really push it through with your  
usual vigour even if it does delay a little but  
something connected with the light. The "bird in  
hand" proverb is applicable. We know what the

!!  
telephonic ~~with the~~ <sup>God</sup> however much we believe  
the light will do. Besides I want to get the  
telephonic business finished before I find myself  
in the vortex of the light affairs.

I send you copy of  
Lowrey's letter of the 21<sup>st</sup> December. Before replying  
to this I would like a few lines from you to know  
upon your own direct authority precisely  
what it is you have stipulated for in my  
behalf. Feeling sure that this will be satisfactory  
I have thought it best not to compromise myself by  
replying to Lowrey's questions and have written  
him that before doing so I would communicate  
with you. I send you copy of my letter to him

Registered Cable address. I have registered  
my name here for abbreviated address as  
"Hendonpark London" so that in the future  
only address me by that name without  
signing it and without other address  
simply "Hendonpark London" to save you  
Expense Yours truly.

W. E. Wood

Any cables from London

without name you will know  
come from me.

A copy of "Correspondance Scientifique"  
referred to in the above will follow by next  
mail.

1890/1891

London

1 Cable

Feb 3 79

8 10 am.

Edison  
Menlo Park

When positively

to London  
mail

London Feb 13. 79

Gouraud

to

Edison

New Receiver

To. *Thos. A. Edison Esq.*  
*Monks Park*  
*New Jersey*

NOTE

FROM

*6*  
GEO. E. GOURAUD.  
6 LOMBARD STREET E.C.  
LONDON, *14* Feb. 1879

Very important

I am without any reply to my cable  
Positively when meaning when positively  
you will have the Resonator and other apparatus  
lent for Professor Tyndall's lectures. I send your  
letter of the 3<sup>rd</sup> instant which says they may be  
expected in two or three weeks. I beg you on  
receipt of this to cable me if possible the  
positive date when these will be shipped.

Tyndall has begun his course of lectures which  
is a review of the discoveries in so progress  
of Acoustical Science for the last ten years  
No one better than yourself will appreciate  
the importance of including your inventions  
which can only be done with the apparatus  
in hand. As regards the effect, upon  
telephone negotiations, of this delay I could  
only repeat myself to say *Anything*

(2)  
Barly and Puckers are here making  
a great deal of noise about Gray and  
~~Philips~~ and no end of other telephones they  
claim to have and they are conducting some  
experiments in conjunction with several Post  
Office Officials in which they used a carbon  
transmitter which they claim to be independent  
of yours. They are trying to effect a combination  
with me and with the Bell Company I do  
plenty of listening and little talking but  
am anxious more than I can tell you for the  
receipt of the receiver <sup>in Sect. of inf. C</sup> which I shall push  
ahead vigorously and effectively I have no  
doubt.

Also cable me the name of the steamer  
by which the receivers are actually shipped  
which will enable me to know the date.  
I may Confidentially expect them -  
I have had a number of wires put up  
connecting different offices of friends of

(3)

more in the city with a central office,  
and army only awaiting the receivers to  
show the thing practically on a large scale,  
also connection with the Midland Railway  
system by which we get any length of wire.



Please note that I have delivered to Mr.  
Puskas four, of the twenty W. C. M. F.  
C. C. telephones upon his representation  
that unless he had them immediately you  
would lose your patents for Spain and  
Italy. Although giving them occasioned  
me great inconvenience in the light of such  
representation I of course gave them to him  
from no special desire to accommodate  
him but solely in your interest

Yours truly



10002 m.  
Feb. 29, 79

Edison  
(Menlo Park)

Tynsall tenth ~~pl~~ times answer

London  
Calif

Feb. 27  
Gorham to  
Edison  
New Received

To.

*Thos. A. Edison Esq.  
 Menlo Park  
 New Jersey*

## NOTE

FROM

GEO E GOURAUD.  
 6 LOMBARD STREET E.C.  
 LONDON 22<sup>nd</sup> Feb 1879

I confirm following cable today

Fyndall lent's ultims answer  
 having just received a note from Professor  
 Fyndall thanking me for the trouble I have taken  
 and begging me to return also his thanks to you  
 I hope you will understand my request to imply  
 that I wish to know positively whether your  
 instruments will be here in time for the 10<sup>th</sup>  
 ultims when he reaches the telephone. Should  
 you not have cabled me accordingly do so  
 immediately you receive this.

Your Telephone in countries where no patents  
can be obtained notably for example  
Holland. Please advise me immediately if  
if in such cases I am at liberty to do  
anything I please. I think I can get money  
for Holland by simply giving all your  
rights whatever they are, which in the case of  
Holland per se are nothing as I understand  
it. Hence the transaction would be backed  
upon your authority to use your name and  
your telephone. They are first class people, bankers  
friends of mine who want to make a  
telephone exchange.

Yours truly  
Geob Gouraud  
per L.T.

[TO GEORGE E. GOURAUD]

2

Feb 23, 79

Menlo Park London

Messenger probably  
take receivers for Algeria  
Will notify

11 Menlo Park NJ Feb 23

7:03 PM.  
gmk

To: *Thos. A. Edison Esq.*  
*Menlo Park*  
*New Jersey*

NOTE

FROM

*GEO. E. GOURAUD.*  
*6 LOMBARD STREET E.C.*  
*LONDON 24 Feb 1879*

I confirm receipt of cable as follows:-

Messengers probably take received  
per Algona will notify.

I am greatly relieved by the receipt of the  
above and sincerely trust the Algona will  
bring the received and with it the messengers  
who will understand thoroughly the workings  
of the telephone as Adams' health is so very  
precarious as to make it almost indispensable  
that there should be some one else on the spot  
equally competent

Yours truly

*Geo. E. Gouraud*

21 pr 301 503 502 504  
Gouraud

1  
Edison  
Menlo Park  
7:15 am  
Feb 26, 79

Messengers Capable, relieving  
Adams seriously ill  
indispensable

London  
Maly

1  
Feb 26, 79  
Menlo Park  
London

Messenger sailed Algeria

Menlo Park Feb 26, 79  
4:07 pm  
Lynna #390



Feb 26 79  
Gowans  
to  
Eison

Feb 26, 79  
E to Gowans

\$3.90

To: *Thos A. Edison Esq.*  
*Memls. Park*  
*New Jersey*

NOTE

FROM *Geo E. GOURAUD.*  
*6 LOMBARD STREET EC.*  
*LONDON 27<sup>th</sup> Feb. 1879.*

Dear Edison

If I had should not have turned up  
before this reaches you get somebody else  
equally competent if possible to do the job and  
have it done as quickly as possible and forward  
it. I want to utilize this drawing in making  
the <sup>Edison</sup> ~~the~~ that I propose to when the rescuer is  
in hand and immediately following Tyndall's  
lecture. I have practically completed arrangements  
for an extensive system of popular lectures  
on Edison and his inventions, throughout the  
country, with practical illustrations of your  
most interesting inventions. This will begin  
before societies schools &c

*Geo E. G.*

I confirm cable despatched to you  
yesterday as follows:-

"Messenger capable of relieving  
Adams, seriously ill, indispensable"

Adams' health is regarded as very precarious.  
He is consequently unreliable for the purpose  
for which I understand him to be here. This is  
especially awkward at this moment. I have  
great sympathy for him in his condition at the  
fact that his services are required makes him  
I am told very nervous and uncomfortable,  
hence my above telegram. In relieving Adams  
be careful to lay nothing which will hurt ~~his~~  
his feelings in this connection as I find he  
is very sensitive. Even though he were perfectly  
well and enabled to give his entire time to the  
business it would be equally important to  
have a competent and reliable assistant on  
the spot so as to assist at the other end of the  
wire

W. H. G.

Your following cables just received:  
"Messenger sailed Algeria"

which causes me great delight as you may  
imagine and from which I also understand  
that the messenger fills the terms of my cable to

Yours truly

your  
+ messenger  
congratulated  
on the  
success  
of the  
mission  
and  
for  
the  
good  
old

6 Lombard Street London E.C.

14<sup>th</sup> March 1879

Thos Alva Edison Esq

Menlo Park

New Jersey

Dear Edison

I need not tell you how delighted I  
was to receive your letter of the 25<sup>th</sup> of  
February by the hand of your nephew and at  
the same time what I think the Herald of  
the ensuing day justly described the greatest  
invention of the age. It was put up yesterday  
and today my office has been thronged with  
Representatives of the Press. What they thought  
about it you will be able to see by the  
Papers which will appear tomorrow and  
which I shall forward with this. Tyndall  
himself was the first to see it coming  
immediately on the receipt of my telegram  
and he was really delighted. I turned with  
him on Monday when we arranged the  
(1)

details of the lecture which takes place  
on Thursday next. I congratulate you with  
all my heart on this beautiful achievement  
and realization of your promises. After  
this people will doubt you less concerning  
the Electric Light. Do not lose a moment  
in forwarding what you call "the first class  
machines." Let them be models for the  
commercial instruments if possible. I shall  
now proceed with my negotiations and  
shall hope to give you early reports of  
satisfactory results.

Yours very truly

Wm. C. Crompton

P.S. There was no time for many of the  
papers to get the Article in today's issue  
notably the Times whose reporter has just  
been told with proof for correction of a good  
Article turned the length of any envelope.

(2)

To

NOTE

FROM

GEO E COURAUD

6 LOMBARD STREET, EC.

LONDON. 2<sup>d</sup> Mar. 1879.

Dear Sir

You will see by the previous card you  
have sent the telephone to the P. of the  
press.  
Let me tell you before you  
the former improvement ~~was~~ to the  
Bell telephone was ~~not~~ shown  
that it was better for the exhibi-  
tion of your display or for the  
performance of the former improvement  
as I have been here more  
than of - so you will know  
all the more appreciate the  
value of your service & I am  
to my speaker & largest audience.  
But that ~~from~~ the Bell  
is to be compared with yours -  
yet as it has shown by the  
no mouth or ear piece now

To

NOTE

FROM

GEO E GOURAUD  
6 LOMBARD STREET, EC.  
LONDON. 1878.

was sent to Lyndell, question to  
have been addressed simply as  
it seems a fact that part of  
it is by H. from the other  
part. H. has only an  
other part of the business -  
the Keph. was made by H. &  
selling near the waterment.  
Singer was made H. & H. in  
the place. It is apparent of  
the important improvement of  
the London - H. & H. a double  
and so if it will give it  
the no chance in partial  
competition with us.

Hang up the H. & H. conditions  
for commercial purposes,  
H. & H. -



To

NOTE

FROM

GEO E. COURAUD

6 LOMBARD STREET, E.C.

LONDON.

1878.

Handels with Thursday letter will be  
in 3rd telephon only -  
I have had a wire from his  
letter from L. Pounding since  
3/4 wire - clear wire over-house  
then may be connected with an  
underground wire to my office  
if found to suffer by our  
cable conductors as from an  
experience of July - some likely  
to be the case.

I am glad to note what you say  
about the London night.

You have never assured my  
letter about this so have not  
been able to write - sorry in  
reply to him of wh. I sent  
you copy and stuff

*Manning Advertiser*  
*March 15.*

#### EDISON'S NEW TELEPHONE.

Mr. O. P. Edison has brought over from Menlo Park a couple of new telephone receivers, invented by Professor Edison, and they were tested for the first time in this country yesterday, at the office, No. 6, Lombard-street. The principle of the electro-magnet was discovered by the professor some five or six years ago, but it has only been applied to the telephone receiver quite recently. In this new telephone apparatus the electro-magnet, hitherto used in all telephone receivers, is entirely dispensed with, and the electro-magnet principle is substituted. This, by its greater delicacy and power, is made to vibrate a very much larger diaphragm than is possible with the electro-magnet, thus giving greater volume of sound, and obtaining the necessity for holding the telephone to the ear. The instrument in Lombard-street is connected by the ordinary telegraph wire with a second instrument in Prince's-street, Black, and although the street is only about a quarter of a mile it is claimed that the effect obtained "would be as perfect on a circuit of several hundred miles. A conversation was kept up between the couplets of the offices in which the two machines were placed, and the sound received was quite as loud, although strictly as distance, as the voice of the person talking. The great feature of the instrument is that by its use the voice of the person is carried to the distant station without loss of volume, and, indeed, in some instances it is more increased than otherwise. The transmitter was simple, elegant, and made additions, and every inflection of the voice was perfectly audible in any part of the room. The new telephone produces the highest musical notes with the same perfection as the lower ones—impossibility with the old machine. These points of superiority are due to the fact that while in the electro-magnet the electric wave excites the force which vibrates the diaphragm of the receiver, in the new machine they only control it, the force used being strictly local, either the power of hand or electric force. These new instruments, which have been brought from America by Professor Edison's nephew, are not highly valued, having been made at a short notice. They are to be used by Professor Tyndall in his lectures on Professor Edison's inventions.

GEORGE E. COURAUD

#### THE NEW EDISON TELEPHONE.

Yesterday, by invitation from Colonel Gouraud, Mr. Edison's representative in London, several gentlemen attended at 6, Lombard-street, to witness the first trial display in England of the new "loud-speaking" telephone, invented by Mr. Edison. Two specimens of this marvellous instrument have just been brought over to England by the inventor's nephew, Mr. Charles F. Edison. One of these telephones is fitted up in Colonel Gouraud's office in Lombard-street, and the other in an office in Prince's-street, near the Bank. The two instruments are in direct connection with each other over a wire in the usual way, and the distance is of course slight, the route being only about a quarter of a mile long; but the results are believed to be quite capable of production on a scale of considerable length, as for instance, between London and Norwich. If the temporary use of Messrs. Colman's private wire can be obtained for the purpose, a trial of the apparatus will be made on that circuit, and it is expected that still greater distances will be successfully traversed. The experiments yesterday were conducted by Mr. Edison's nephew, Mr. Adams, who took charge of the instrument in Lombard-street, while Mr. C. F. Edison was in charge of the Prince's-street instrument. The voice of the speaker in Prince's-street was heard yesterday in the office in Lombard-street with the most perfect distinctness. There was no considerable loss to the ear by the receiving instrument. The voice could be heard with as much in any part of the room, and although the speaker was a small one it was evident that a large one would still have been heard; for the sound, by moving back to Prince's-street the mouth of the speaker was placed close to the diaphragm; but this is not a natural manner. Colonel Gouraud, by means of a paper trumpet, repeated for the first time the words "Edison's Patent Telephone" whilst standing several feet from it. It seemed as complete as if being transmitted. When Mr. C. F. Edison placed a few telegraph keys at the end of the wire, the notes were transmitted to Lombard-street with most admirable precision; that the speaker seemed actually present in the room, and it was constantly observed that perhaps "Mr. Adams" was himself the performer, playing some with equal facility, but this was less remarkable than the perfect distinctness with which the most rapid speaking was carried on. Professor Tyndall, who is about to introduce this marvellous invention into one of his lectures at the Royal Institution, paid a call on Colonel Gouraud yesterday morning, where he witnessed a trial of the apparatus and was apparently much delighted by its successful working.

*Standard*  
*March 15*

GEORGE E. COURAUD

MARCH 15, 1879.

[illegible][illegible]

Daily News  
March 15

(Mar 27/79)



My dear Edison

I have only a moment after the close of your lecture & before the close of the mail to write you a line of felicitation at the happy manner in which the Professor brought the Exposition

before the first Picture  
audience at the  
Royal Institution  
today & the excellent  
visual description  
it met.

Nothing could have  
been more satisfac-  
tory in every respect.  
You will see by the  
paper I will send  
you what effort

will be provided  
by the Municipality  
Entertainment of  
the occasion.

I had a nice run  
with the Picnic  
Circus which you  
will remember &  
charley performed  
in various ways.  
I sat in the

Gallery & the the  
salon room & heard  
personally everything  
that was said.

The audience was  
enthusiastic &  
sympathetic himself.  
Quite amazed over  
the beauty & the  
results & the simplicity  
of the plans.

I am sure you will

Opposite now  
 if you have not  
 before the expiration  
 of the opportunity  
 arrival of the  
 instrument - & for  
 the purpose of  
 which Paper 7.  
 said you had no  
 need to make  
 apology -

I beg your pardon

Not for a moment  
 in forwarding the  
 order for the  
 order of com-  
 munal instrument.

The demand for  
 instruments is showing  
 itself in every mail  
 rec'd from all  
 parts of the country  
 & if we are too  
 long in making it

Disability will  
result.

To support me  
promptly in this  
& I will soon  
show you some  
results.

Yours with  
my best regards  
Wm. W.  
H. E. Egan

Monday - 27th March  
1881

London  
 Feb 27, 99

My Dear Edison,

I have only a moment after the close of Tyndall's lecture & before the close of the mail to write you a line of felicitation for the happy manner in which the Professor brought the Telephone before the first British audience at the Royal Institution to-day, and the enthusiastic reception it met.

Nothing could have been more satisfactory in every respect. You will see by the papers I will send you what effect will be produced by this scientific endorsement of the invention. I had a wire run to the Piccadilly Circus which you will remember & Charles performed in various ways. I sat in the Gallery of the lecture room and heard distinctly every thing that was said. The audience was enthusiastic. Tyndall himself quite warmed over the beauty of the results & the simplicity of its means. I am sure



you will appreciate now if you have not before the  
importance of the opportune arrival of the instruments  
& for the roughness of which Prof. T said you had  
no need to make apology. I beg you will  
not lose a moment in forwarding the models  
for the manufacture of Comel instruments. The  
demand for instruments is showing itself in every  
mail recd & from all parts of the country & if  
we are too long in meeting it dissatisfaction  
will result. Do support me promptly in this  
& I will soon show you some results  
Hastily with my best congratulations

G E G

6 Lombard Street London E.C.

3<sup>rd</sup> April 1879

My Dear Editor,

At the invitation of Mr<sup>s</sup>  
Spottiswood President of the Royal Society,  
we met about a hundred Fellows and some  
score of invited guests at a reception in the  
rooms of the Royal Society, Burlington House  
last evening having a view thereof to Royal  
Institution. The interest and commendations  
were excessive. Dr Fyfe from the  
Laboratory of the Royal Institution  
conversed with Professor Owen, Mr W. G.  
Smith the First Lord of the Admiralty, and  
others. I had the pleasure of personally explaining  
at length the operation of the instrument to  
Professor Huxley <sup>+</sup> others who were most interested -  
in fact it was a delightful success.

The Editor and Proprietor of the  
"Nineteenth Century", a periodical whose  
character I am sure you know, introduced

①

himself to me and expressed his anxiety if possible to have from your own pen an article for his Magazine. I explained to him the impossibility of that on account of the great pressure upon your time but nevertheless I communicated to you the invitation. Should you be at once disposed and able to ~~give~~ <sup>make</sup> the contribution it would no doubt give great satisfaction. I regard this invitation as very suggestive as to the state of public interest in yourself and your inventions. In default of your inability to meet the request I have promised to give careful consideration to the subject of a substitute for yourself

I trust no delay will attend the <sup>fulfillment</sup> shipment of the model instruments for which everybody is looking for with great eagerness and which are necessary to the meeting of the existing and growing demand which sadly satisfying too long would be very prejudicial.

The only point of comparative advantage  
of the Gower improvement of the Bell Telephone  
mentioned was the ability to speak at a  
considerable distance from the Telephone  
without placing anything to the mouth. This  
I explained was equally possible with the  
Carbon Transmitter by the addition of a  
funnel such as is used in the Gower  
improvement. This must be done and any  
suggestions from yourself with respect to the  
form of funnel is most necessary. You will  
doubtless hear of other distinguished scientific  
honors of this most marvellous and most  
interesting invention.

Yours very truly  
G. H. G.

*London*

Extract from "The Times," April 4th, 1879,  
(And other Daily Papers)

THE ROYAL SOCIETY.—At the meeting of the Council of the Royal Society, held yesterday, the following 15 candidates were selected to be recommended for election. The day fixed for the election is Thursday, June 12; J. Anderson, M.D., Rev. M. J. Berkeley, H. Bessemer, Professor A. Crum Brown, W. L. Buller, Sc. D., G. H. Darwin, Professor J. D. Everett, Professor F. S. D. Frangula de Clausen, Professor G. D. Liveing, G. Matthey, G. J. Romme, A. Schuster, Ph.D., Professor H. G. Seeley, B. Williamson, and T. Wright, M.D. At the meeting of the Fellows of the Royal Society on Wednesday evening communication by telephone was established between the Royal Institution and Burlington House. With Professor Tyndall at one extremity of the wire and Professor Huxley at the other, much amusement was caused among those present, among whom were Lord Lawrence, the First Lord of the Admiralty, Lord Houghton, Sir James Paget, Professor Owen, Mr. Spottiswoode, P.R.S., Sir J. Fyfe, Mr. Waterhouse, and Colonel Gouraud (Mr. Edison's representative.) The feasibility of telephonic communication was clearly demonstrated, the voice being distinctly audible over the whole of a large room. The instruments used were Edison's new loud-speaking telephones.

[FROM GEORGE E. GOURAUD]

Cable

8:55 AM  
Apr 9. 79

1  
Edison  
Menlo Park

Quote price 2000 Telephones  
Complete and when  
deliverable

10 London (Direct)  
Mach

*v. Lombard Street, E.C.*

London 10. Apr. 1879.

My dear person

61 Lombard Street, E.C.  
 London, 10. Decr. 1887.  
 My dear Helen  
 I don't know what  
 mischief Adams may have  
 written you but I merely  
 wish to say that he is the  
 unqualifiably the most  
 difficult individual to  
 get on with that I have  
 ever been my lot to be  
 so thrown with. But  
 for the present con-  
 dition of the man's body  
 which naturally affects  
 his mind I could not  
 to a vast not have  
 taken the trouble I have  
 kept him in a good  
 humor. He has been

worse one since Mr. Mepham  
 arrived. He is really  
 dangerously ill and  
 utterly unfit in consequence  
 for the purpose for  
 which he is here. You  
 will fully appreciate the  
 of my having been a  
 man whose health will  
 allow of his being able to  
 attend regularly to the  
 business of the Telephone  
 Office & have found  
 it indispensable to  
 detain Mr. Mepham.  
 This decision will  
 probably explain Adams  
 sudden departure for  
 Paris.

yesterday. He did not  
 seem to think it necessary  
 to consult me as to my  
 wishes or convenience in the  
 matter & I only learned of  
 his intention through  
 Charley, to whom he had  
 said that he was going.  
 Charley has had much  
 to hear from Adams, &  
 will no doubt be quite  
 as well without him.  
 Adams is really so unfit  
 for any kind of business  
 with Mr. Mepham, any estate -  
 must, may easily kill  
 him, his heart is so  
 diseased. If he can get  
 quiet work in connection  
 with the Paris Co. - to  
 which I presume he



he has gone he may  
 do well. I have for a  
 long time felt that the  
 expense he has been to  
 me has been justified only  
 on the grounds of charity -  
 & this expense has not  
 been trifling either as given  
 with me. Until last week  
 I gave him money in anti-  
 cat times as he requests  
 & finding him spending  
 more than I do myself  
 I suggested that he sh<sup>d</sup> have  
 a regular allowance for  
 his expenses of \$5 a day  
 the same I gave Charles  
 I now remember that he  
 seemed not to like this  
 & that may have been  
 something to do with his

the only way to get him to go at  
 the proposed program is for  
 me to see  
 that - though it will be  
 trouble you with these remarks  
 lost in his disordered state  
 of mind & body he sh<sup>d</sup>  
 not be troubled any more.  
 Now that he has chosen  
 to go I hope he will  
 remain away & not so as  
 he has several before now  
 only come here when he  
 has not wanted in Paris  
 or when he was out of  
 money as he has more than  
 once - getting money  
 from me just before  
 going to Paris & then  
 immediately after his return

If he repeats that for-  
 manness he will not  
 find that I will -  
 You must expect yr nephew  
 to remain till the definite  
 date for yr telephone  
 arrives & long enough  
 thereafter to put into  
 practical operation the  
 telephone exchange  
 system - What I  
 presume he is content  
 to do? Is he? Please  
 answer this question.  
 If he is not then send  
 some one who is as it  
 is important that the  
 first tel. be in the

first city of the West that  
 be a pronounced success.  
 I have made a first  
 class combination for  
 a long-run company -  
 upon terms that will  
 greatly gratify you -  
 The contract will be  
 expressed most wide -  
 & a great sum of  
 money will be forthcoming  
 immediately the definite  
 dates November are set -  
 & yr signature is  
 applied to the document  
 which I may possibly  
 take over to you most  
 with myself

To the Editor of the  
Herald  
New York

I will at the same  
time be able to see  
the wonderful "line."

The President of the Royal  
Society has asked me to  
the Great Series of the  
year 30th inst. with 9th  
telephone.

I hope you approve the  
name I gave it "The  
Heron" but speaking  
"Telephone" as it is now  
every where called - very  
appropriate I think - as  
it is indicating it is a  
feature of power wherein  
the Bell Telephone was  
conspicuous in a former (18)

London April 10<sup>th</sup> 1879

My Dear Cousin I don't know what rubbish Adams may have written you but I merely wish to say that he is unquestionably the most difficult individual to get on with that I have ever been my lot to be thrown with. But for the diseased condition of the human body which naturally affects the mind I could not & would not have taken the trouble I have to keep him in a good humor. He has been worse even since your nephew arrived. He is really dangerously ill and utterly unfit in <sup>any manner</sup> for the purpose for which he is here. You will fully appreciate the necessity of my having here a man whose health will allow of his being able to attend regularly to the business of the telephone. Hence I have found it impossible to let him go.

This decision will probably explain Adams' sudden departure for Paris yesterday. He did not seem to think it necessary to consult me as to my wishes or convenience in the matter, and I only learned of his intention through Bailey, whom he had told that he was going. Charles has had much to learn from Adams and will no doubt do quite as well without him. Adams is really unfit for any kind of business and the Dr says any exertment may easily kill him, his heart is so diseased. I shall not get quiet work in connection with the Paris Co - to which I presume he has gone.

I have for a long time felt that the expense he has been to me has been justified only on the ground of charity, and this expense has not been trifling either as you will see. Until last week I gave him money in amounts and at times as he requested, and finding him spending

(2)

more than I do myself - I suggested that he should receive a regular allowance for his expenses of \$5 a day the same I give Charley. I now remember that he seemed not to like this and that may have something to do with his leaving me. I have thought it well to trouble you with these remarks lest in his diseased state of mind & body he should distort matters anyway. Now that he has chosen to go I hope he will remain away and not do as he has done several times before. Done, only came down here when he was not wanted in Paris or when he was out of money as he has more than once Done - getting money from me just before going to Paris and immediately after his return. He expects that performance he will not find that I will. You must expect your Nephew to remain till the definite model for your telephone arrives and long enough thereafter to put into practical operation the Telephone Exchange system - which I presume he is competent to do? - Is he? Please answer this question. If he is not then send someone who is, as it is important that the first Exchange in the first City of the world should be a pronounced success. I have made a first class combination for a London Company upon terms that will greatly gratify you. The contract will be engrossed next week and a round sum of money will be forthcoming immediately the definitive statements are ready & <sup>your</sup> ~~your~~ signatures affixed to the document which I may possibly take over to you next week myself and I will at the same time be able to see "The wonderful lamp". The President of the Royal Society has asked me to the Grand Soiree of the year 30th inst will your telephone.

3

Hope you approve the name I gave it "The Edison Loud  
speaking Telephone"; As it is now every where called - very  
appropriately I think - as at once indicating its essential  
feature of success ~~wherever~~ the Bell Telephone was.  
Equally conspicuous as a failure. The cable for  
quotation 2000 Telephones was at the request of the  
proposed Company to fix cost + save time as immediately  
upon decide upon model they want a large number put  
in Land so as to enable them to occupy the field  
before the Bell Co do with the Gov. import  
Hurry up!!!

Yrs G. E. C.

604

Paddington

17<sup>th</sup> April 1879.

Mr Edison's loud speaking  
Telephone.

I have very carefully studied  
Mr Edison's patent No 2909, dated  
July 30<sup>th</sup> 1877, and am of opinion that  
his method of transmitting, and  
reproducing articulate sounds is  
peculiar to itself; and new.

The system of Electrolysis  
has been known for years, & applied  
to Telegraphic purposes, but its  
application to the Telephone, as set  
forth in this patent is novel, and  
ingenious, and I believe I am quite  
correct in stating that Electrodes  
have never before been used for  
Telephonic purposes, or to counteract  
the effects of friction, for the production  
of articulate or musical sounds.

The Mica Diaphragm is a  
new introduction; and the mode of  
obtaining the full sounds of hissing  
consonants, cannot but be regarded  
as new and an improvement in the  
transmission of the voice.

The Telephonic principle,  
indenting paper by the sound waves  
& the reproduction of the voice from  
such indented paper, is also very  
ingenious but I do not think

Ex. 1. 1879

much practical value can be attached to this result or the varied ways set forth, showing how this principle can be applied, except as a check on the correctness of the person receiving or in case of dispute on important matters to prove which side was in fault.

The system of sending letters by tooth wheels is very clever, but as words can be clearly conveyed by the voice, I see little utility in the letters being sent automatically, for practical purposes

(Sigma) C. E. Spagnolotto  
Mr. J. C. E. Mr. J. E. H. E. / L.

—



Points that I would draw attention to, for special consideration

1<sup>st</sup> How does Edison's transmitter, or Electric tension regulator for the rise & fall of the tension of the Electric current, stand with regard to Hughes Microphone & Ederas Tube both in effect, & priority.

The voice can be clearly conveyed by the Microphone to a Telephone, the ways & means being very similar, the form of Instruments only differing, the principle appears to me to be the same.

2<sup>nd</sup> The fixing of the Diaphragm at its centre has also been done by Mr. Breguet of Paris; in his Mercury Telephone but I am not aware whether Mr. Edison or Mr. Breguet was first to adopt this mode of fixing it.

3<sup>rd</sup> Herr Reis is generally believed to be the first person who attempted to convey sounds by means of Electric currents using a vibrating membrane to make and break the circuit.

He also used in the circuit at the receiving end an Electro magnet, with a membrane to reproduce the vibrations sent.

4<sup>th</sup> This system is similar to Edison's. In the transmission of musical sounds, how does this system stand with regard to Gray patent-

Reis's  
Didn't use  
membrane this is  
exactly wrong.

for Harmonic Telegraphs.

Done away with

5th The system of making the loose Diaphragm for calling attention to the Telephone is I think attended with risk as to its falling or getting into its required nice position. as on the proper adjustment materially depends the successful working of the Instrument.

This is not an infringement  
not on 2396.

C. S. L.

[FROM GEORGE E. GOURAUD]

1  
Apr 18. 79

245-P.m.

Edison Minto Park

Sail Scythia with  
Contract Expedite Estimate  
Telephones

9 London Street  
New York

May 1st - 79

TA Edison ms

Banker joins with me suggesting  
that you hold under advisement  
without final committee till we see  
you English Telephone matters.

Bailey

21 paid  
May

May 2nd - 79

Cable

Puskas Paris

Tell Adams return  
immediately to America  
Gouvard and Bailey  
having Engaged Experts  
here - Edison

16 men to Park

[FROM CHARLES P. EDISON]

1 Cable

May 5-79  
10-10

Edison  
Menlo Park

Adams disc cable transfer  
me Brown shipley 100 pounds  
immediately unprocurable  
here

Edison

15 London  
Direct

3 N.Y. Edison Co.

May 5-79

440

Cable received stating Adams  
died yesterday  
Geo E Howard

6 PM.  
May

3

Cable

May 6. 79

Minto Park  
London

Keep things going  
Smoothly until goods  
return fifty instrument.

Edison

12 Minto Park May 6  
11:40 P.M.  
G-ma

<sup>2</sup>  
N.Y. 6<sup>th</sup>

May 6, 79

G.A. Edison ms

110

Cable received implying that  
Charley is giving trouble  
Please cable him immediately  
to implicitly obey White.

Geo E Gouraud

16 paid  
W-3

THE EDISON ELECTRIC LIGHT CO.,  
8 BROAD STREET,

MURPHY GREEN, PRES.  
W. M. GALLAGHER, V. PRES.  
E. P. FAIRBANKS, TREAS.  
G. CORNELL, SECY.

New York,

May 8<sup>th</sup> 1879

Mr Edison  
Dear Sir

Your account  
has been charged with  
transfer of £500 to  
Chas Edison London

4.89 1/10

488.69

Cable message 5.25

2193.94

Paid to Brown Bros & Co  
May 5/79

Yours truly  
C. Hammond Day



1 Cable May 9. 79  
Edison <sup>Minko Park</sup>

Paris business two days  
returned will run things  
Smoothly White Gasperated  
particulars letter  
Edison

16 London  
street  
may

2 May 9 May 9 79  
Edison <sup>me</sup> 5:20 pm

Will go down tomorrow  
if you say yes -

Col Geo E. Leland  
74 Madison Avenue



1 Col Leland  
all right come ahead  
5 Collect Edison

3 Cable May 12 79

Edison  
6 Lombard London

Return here immediately

Edison

8 Miles Post n y May 12

12 35  
3 M

7 8  
68.4

No 1

Pourand

May 12 79

Care Mercantile Trust Co 120 Bowry ny

Do not come today will be  
away. Cannot do anything with Gailcraft  
until Lowrey returns,

Edison

SDH

10:25 AM  
9. May

1  
Cable

May 13, 79

8<sup>25</sup> PM

Edison  
Minto Park

Your cable premature some  
misrepresentation await  
Explanatory letters Enroute  
Barrett upholds me answer  
immediately

Edison

18 London  
Direct  
May 13

1 May 13 79  
Edison

May 13 79  
1:10 PM

She consents Ergo I  
go unless the Company  
Veto

E H Johnson

9 Paid  
May 13

6 Lombard Street E.C.

13<sup>th</sup> May 1879

Thomas A Edison Esq  
Wentworth Park  
New Jersey

Dear Sir

Telephone

I have to report to you that on Saturday the 10<sup>th</sup> inst, at the House of the President of the Royal Society, the Prince & Princess of Wales, the Grand Prince of Denmark, and many members of both Houses of Parliament, were present at a demonstration of your telephone.

As your nephew, in the face of my protest, absented himself in Paris, I placed in his stead in the hands of Mr Conrad Cooke, author of the article in "Engineering". To his attention and energy we are indebted for the occasion proving an entire success.

The Prince of Wales desired to convey to you his congratulations on your invention. He was greatly pleased and amused at the experiment.

I am glad to say that on this occasion I secured the support of Sir John Lubbock who was put £2000 into the Company, subject to his approval of the other names.

House of Commons I have to-day received from the Speaker copy of my letter to him printed as a Parliamentary paper. This coupled with the success of the letter to the Times and the leading article in that journal, will I am informed, secure the success of the Company. C. D. Edison. I ~~at~~ took yesterday the extremely strong step of requesting Colonel

Lyons to secure your nephew's recall. Any one bearing your name must, in this country, give us great assistance or the reverse. Caprice and stubbornness might easily be surmounted and overcome in one whose name is not Edison. But the Bulcher affair - a matter requiring very delicate handling - your nephew's departure to Paris; his refusal on his return to assist with the monuments, and, I may add, his language, decided me to request that he may be recalled. We can't spare one who could, if he liked, do so well, but as he will neither do anything himself or consent to other people aiding

in the matter, I have come to the conclusion  
to request his recall, and to lay a plain  
statement of the matter before you. Copies of  
telegrams & correspondence passed between us  
will in due course be sent you.

I am,

Dear Sir,

Yours faithfully

Imola White

208 (May 14)  
The following is a copy of the  
to June 1st. The  
document complete  
I am asking you  
"when the at last"  
may be expected  
I am replied "50  
the Exchange  
Apparent complete  
the message  
"likely Bottoms"  
McDonough rest 21  
Unit - "let us strain

being some for the  
or at if not possible  
can be not perhaps  
get off one at  
least - so as to  
keep the things  
alive - ?# Meanwhile  
I am pressing them  
to close with the  
Best possible made  
at once so as to  
announce the registra-  
tion of the "Lion" Co.  
to explain its purpose

without further delay  
I have concluded that  
by ~~the~~ Cabling them  
that I had ordered  
50+ instruments.

What are some to be  
finished it & fee?  
Gentle independence  
of any replication  
they are having  
that it could give  
confidence in the  
belief that the

definite instruments  
are not a myth.

Ch. L. G. G. G.

14 May

# Air mail to  
the - at once.



Colquhoun May 1879

Its all nonsense to  
talk about 50 instruments  
by 21<sup>st</sup> = it will be about the  
28 or 30<sup>th</sup> = Again these  
instruments should be  
all put up or at least  
a part in a system here  
& to do that we have  
to make switchboard  
indicators batteries etc  
I have got you the best  
Telephane man in country

who will go for 2 months  
for \$1000. taking a man with  
him who he will leave  
in charge on his return

I should judge that  
everything could go by  
~~the~~ May 10<sup>th</sup> =

as to getting two instruments  
that might be done by  
21<sup>st</sup> =

E

11<sup>2</sup>, May 15, 79

5<sup>25</sup> Am.

1  
Mys-

Edison  
Green Park

(London negotiations closed

I am on five fifteen

train with contract

Gouraud

11 Pm  
Ty. G.

[TO ARNOLD WHITE]

2

Cable

May 11, 79

Brunswick  
London.

Cable Drexels authority pay  
Edisons sixty days draft  
my order 5,000 Signed  
agreement attached altered  
as Cabled. If Company want  
Exceeding fifty telephones  
ordered must order specially  
the 500 referred to are  
for provincial exchanges  
England Gouraud

39 Menlo Park  
May 11-79.  
9:55 PM  
9-52

London May 18<sup>th</sup> 1879

Dear Al

Received cable from you today as follows—  
"Return here immediately" and as I know it is due to the  
fact that Mr White is dissatisfied, I attribute it to that  
cause. Now I am satisfied that if you understood  
the position thoroughly and the part I have acted  
in this matter you would not have taken this  
~~at~~ slip consequently I cable you as follows

"Your cable premature, some misrepresentation, await  
explanatory letter Barrett upholds me answer  
immediately" The letter referred to was written  
Friday and sent by Saturdays and you will probably  
have received them before the receipt of this  
the only reason that I can attribute for your  
cable is that Mr White, as I have heard from  
outside parties also, has conveyed to you the idea  
that when I left London for Paris I deserted the  
telephone in England, I wish it distinctly under-  
stood I did not. Had no such intentions, notified  
Mr White twice by cable that I would be in  
London the day before the Prince of Wales exhibition  
he knowing I was in London waiting for him  
at Lombard St nevertheless he took the instruments  
and put them in other people's hands, thereby giving me  
no chance whatsoever, now if he persists that  
in saying that I deserted the telephone, I will leave  
it to your good reason to judge for yourself.  
It is plain for me to understand the course taken  
by Mr White as I have seen enough of the  
man since I arrived left to be convinced that

he is a perfect failure in <sup>(2)</sup>his position, and if I had went on and done everything he wanted me to do there would have been reports of some discouraging reports of the telephone, White telegraphed Prof. Barrett being determined that he would run it without me. Barrett accordingly came to London and White first told him his grievances - Barrett came to me and thought the thing could be fixed up. I told the Professor the whole story from beginning to end, it was the second time I had ever seen Prof. Barrett consequently he could have no leaning towards me in the matter and quite the reverse to with Mr. White, as he introduced White to Howard for the position which he has taken in the telephone - after telling Barrett the whole story he said that White had taken a very very foolish slip when he took the instruments from me, that he had no right whatever to do it and said from his point of view I had very reason for complaint - But it places me in a very queer position so have this man White refuse to ~~take~~ let me touch the telephones and then cable to you that I have deserted them. Prof. Barrett wrote a letter to White telling him he was standing, in words, on untenable ground and he had better come to some arrangements but this White positively refuses to do, the exhibition which I referred to in my last came off, I was told by a party who was present that the talking could be heard about 3 feet from the instrument and it was what I consider a failure, compared to the numerous exhibitions I have given in London, White makes the assertion that it was

a grand success. I only wished <sup>③</sup> it had been  
but if the successes of the Telephone in England  
hereafter ~~are~~ are of that grade, I fear for  
its future: it is very difficult for me in any  
way to answer the charges which Mr White  
has evidently made as the only information  
I can get as to what he does and says is from  
outside parties. I hear he has written  
that I was to big for my position. Now this  
matter I will leave to Col Gouraud or any  
one else who is unbiassed in this matter. I have  
done everything that Gouraud or White wanted  
me to do except when I would see it would  
be greatly to against the interest in which  
I was working, and with Gouraud when I would  
take that view of it would say, well you understand  
it better than I, go as your judgement dictates  
but White is quite the reverse which I will show  
further on - Mr White I hear also makes  
the assertion also that I refused to give Mr  
Cook any information. Now Mr White said  
(not to me) but to responsible parties and reliable  
that he would run this thing without my help  
that it was simple, and that anybody could work  
it. He put it in the hands of Mr Cook after Mr  
Latimer Clark and Dr Muirhead had failed to  
get any results - White had all the confidence  
in the world of Cook and I can't hardly see  
how he expected me to find Cook and <sup>show</sup> him

how to run it. If White<sup>(4)</sup> had come to me and asked me to take it or even ~~taken~~ brought the instruments back and left them in the office I would of willingly and had come for that purpose, put up the telephones for the Prince of Wales Exhibition but seeing he did not, I do not take upon myself any responsibility whatever for the telephones from that day as I haven't had a chance to touch them. White has made a Bull, his only way out of it is to get me away from here, for the reason to have the coast clear when Gouraud comes back then stuff him and have him write you vindicating white, now I give you the story just as it says, you can take it for what it is worth, but I have every reason for believing knowing somewhat of the man in such a little while, to be under the impression that he has made things look in a different light but if you wish to take Mr White's statements of whom you know nothing about is a stranger to most everybody around here, I mean with whom I am confident you would not have any business with as his style is the exact reverse to yours. He is a dominating, overbearing, self conceited "lardy dah" a swell, parts his hair in the middle and ~~has~~ don't know a telephone from a Dutch Clock, and if you think that it would have <sup>been</sup> right for me simply to keep in the good graces of this individual to people <sup>of</sup> your interest and everybody else by attempting,

to carry out ~~some~~ <sup>③</sup> of his ridiculous ideas  
~~I must confess~~ I must confess that I differ  
with you - To illustrate one of the "peculiarities"  
of Mr White <sup>I give the following</sup> Mr Conrad Cook the scientific  
man on the "Engineering" who wrote the best  
description in the Sol - and who moves around  
in the big Scientific bodies and is an intimate  
friend of Spottiswood <sup>who is</sup> President Royal Society, the  
Exhibition was held at Spottiswood's House - while  
Mr Cook was working with telephones on Saturday  
morning - White sent a telegram to Spottiswood  
asking "how his assistants were getting along."  
Spottiswood handed Mr Cook the telegram with some  
remarks, as would naturally be expected Mr Cook  
became indignant and sent a telegram saying  
~~that~~ "your Assistants are working to the best of their  
ability" and paid 3 pence for having assistants  
underlined, can't say I have word for word in Cook's  
message but it is as near as I can remember  
I don't write this to bear upon the point at  
issue but as a good joke.

Since I have been in England I have put my  
whole heart and soul into the <sup>Telephone</sup> Done everything  
in my power to make it a success, and  
am willing to do so yet, but to think that  
~~this~~ man should slip in and make these assertions



(which you wisely<sup>ly</sup> believe) and order me back  
without an explanation seems rather poor  
recompense for my endeavors = I expect an  
answer every moment from my last cable, of  
course the tone of which I know nothing  
about, but I will remain here until the return  
of Col Gouraud who I am sure will see into  
this immediately - at all events I want the  
undeniable right of an explanation at least  
The object of this letter is not to continue what  
I may call a disagreeable stay in England,  
but I do hate to be cut off, as I evidently am,  
without a word, I have a copy of all communications  
sent to Mr White, but I suppose Mr White has  
~~sent them~~ <sup>sent them</sup> already as he intimated = Mr Cook  
is to give a lecture before the Society of Arts  
and he came to me and asked what  
arrangements were to be made, I told him  
that as it was I was powerless to do anything  
but if I could get the instruments I would do  
all I could to make it a success I just wrote  
a note to Mr White asking him for the use of  
the instruments for that occasion, but up to  
closing of Post I have nothing from him  
and am very anxious as would hate to see  
a repetition of the Prince of Wales co-  
petition you will give this letter due consideration - I remain  
Yours Respectfully Charles

1  
Edison  
May 16, 79  
8:35 am  
Meads Park

Important Exhibition society  
arts White refuses me  
instruments Cable me order  
for them immediately  
Edison

17 London  
Direct  
may

1  
Cable  
May 16 79  
Edison London

Stop cabling and come  
home

17 Edison  
Meads Park NY  
May 16

9:10 am

78  
624

NEW YORK,  
May 17

Dear Mr. Edison:

Drexel is authorized to pay draft 5000 as suggested but as they do not know the parties giving the authority I have decided to let them send the draft out for collection, which, moreover, is I suppose all they would do under the circumstances, but the advantage of this course over the former one is that it does the thing up definitely, as is shown by the cable the following being a copy:

London May 17/9

Yours and

W. G.

I have called Drexel's without knowing necessity after some

Thursdays cables are being pledged  
to gentlemen cabled now Consider  
the matter finally settled

(Signed) Horatio White

I remain,

Yours very Truly,

Geo. B. Guinand  
per D.

To  
J. A. Edison Esq.  
Newark N. J.  
N. J.

Office of  
**Western Electric Manufacturing Company,**  
Manufacturers, Importers and Dealers in all kinds of  
**TELEGRAPH MACHINERY AND SUPPLIES,**  
HOTEL ANNUNCIATORS, BURGLAR ALARMS, ELECTRIC PENS, &C.  
No. 628 Chestnut Street,

James Strauss, President,  
Evan M. Haddon, Secretary.

D. H. LOUDERBACK, AGENT.

Philadelphia, May 17<sup>th</sup> 1879

Thomas. A. Edison.

Dear Sir,

I understand there is an English Company  
formed to introduce your Telephones in Europe, and they want some energetic  
young Americans to go over and introduce the system in the principal  
Cities.

Is this so, and have you or the Britisher time to write me any  
particulars about the matter. What salary would be paid, and what  
an applicant would have to do, to secure a position with the Co.

Yours truly

D. H. Louderback.

Unsecured party

6 Lombard Street E.C.  
London 21<sup>st</sup> March 1879

Thomas A. Edison Esq.  
Menlo Park

Miss Mary W.S.

Dear Sir,

Yesterday evening Professor Tyndall presided  
at a lecture on the new Telephone, and I beg to enclose  
verbatim report of his remarks, together with Press  
comments. Considering the wretched state of the instru-  
ment, its performance was remarkably good.

The Right Hon. Edward Stanley  
Bouverie, Chairman of the Council of Foreign Bondholders,  
has accepted the Chairmanship of the Telephone  
Company. The capital has been subscribed for, and  
the proprietors will themselves be able to carry out  
the provisions of the agreement brought out before  
by Colonel Gouard, as they are all really first  
class men.

I am,

Dear Sir,

Yours obedient servant

Arnold White

Enclosure

Tyndall's Remarks  
Telegraph Cutting  
Daily News

A lecture on Emerson's Law of Speech, given at the Library of Arts on Wednesday evening 21st May by Mr. Donald W. Cook. The Chair was occupied by Professor Lyndall who in the course of his remarks said:-

"It is due to Mr. Emerson to say that he is very desirous that we in England should be aware that the instrument is by no means a perfect one. That point has been emphasized by Mr. Cook and I think I ought to emphasize his emphasis, if I may use this term. In point of fact the instrument you have heard tonight has been in action for a considerable time in this country. It has gone through a series of rough trials and when I had the honor of operating upon this instrument the tones were undoubtedly better than they were tonight. Still you have heard them in a perfect and clear manner"

Replying to some objections as to the powers of the instrument Professor Lyndall said:-

"I can assure you that when I made the first experiments with this instrument, when the course of sound was at Passadilly-bureau and the Resonance instrument at the Royal Institution, Albernass Street the sounds were so clear and every word articulated and I repeated a poem of that grand American Poet Emerson every word of which was repeated with such distinction that it was heard at the most distant part of our Theatre"





Daily News

Thursday May 22<sup>nd</sup> 1897

**PROFESSOR TYNDALL ON EDISON'S TELEPHONE.**  
 At the Society of Arts last evening, Professor Tyndall, occupying the chair, Mr. G. W. Cooke read a paper, upon Edison's electro-chemical, crystal-speaking, telephone, before a crowded meeting of ladies and gentlemen. The early history of the telephone, as shown in the inventors of this variety in color, and others within the last twenty years, having been briefly sketched in his easy, but leisure came to yet more recent times, and described at somewhat greater length the apparatus constructed by Professor Graham Bell. Coming next to the subject immediately in hand, he proceeded to explain in minute detail the carbon telephone and the electro-chemical telephone of Mr. Edison. The lecture, which was almost purely technical in character, was illustrated with a number of interesting diagrams and chemical and mechanical apparatus. Among the latter was included the transmission of different sounds through an electro-chemical telephone, from a distant part of the building through a length of wire, when it was stated to a resistance of twenty miles. The tones of a corset were clearly, audible through this medium, throughout the hall, as were also those of the human voice, although the latter had required a peculiar care and quality in transmission. In proposing the vote of thanks to Mr. Cooke for his paper, Professor Tyndall said that he had listened to it throughout with the greatest interest, and he had been struck not only with the deep knowledge of the subject displayed in it, but also with its great facility of expression. The audience, he thought, must have felt the tendency to be a great strain upon their attention; but the lecturer had merely opened by the way, and they must prosecute their study of the subject for themselves, for which purpose they could not do better than study the paper in which they had listened. He thought it due to Mr. Edison to say that that gentleman was very desirous that people in England should be aware that he did not look upon his instrument as a perfect one. Professor Tyndall, who had just been made Professor Tyndall, said, after an allusion to the Edison telephone, which, he further stated, he had tested with the presence of sound in precisely correct and the receiver at the Royal Institution in Albemarle-street, with result greatly superior to those which had just been obtained. However, the results already achieved were so far remarkable that they would have been pronounced impossible by scientific men not very long ago. There was no secret which had been made known in the course of the development of the telephone, which men of science would not at one time have pronounced possible in theory but impossible, all rollandia, and a mere dream. It was through the expression of such ideas that "such things" had been brought about. "About" with respect to such things, he indirectly mentioned, by Mr. Cooke that Mr. Graham Bell and Mr. Nikola Gray had applied for a patent for sound-transmitting contrivances of similar character on the very same day of this same year. Professor Tyndall said that curiously enough such ideas frequently came in the mind of men at the time of Newton's great discovery of universal gravitation. Necessary from the time of Newton's discovery, so it was with the doctrine of the origin of species, which had occurred at the same time to Darwin and to Wallace. These facts indeed were illustrated throughout the whole of the evening. Tyndall thought reached a certain point at which the former speaker had advanced, and at about the same period those phrases often reached the same result.

Menlo Park

U.S.A.

May 23 1879

\$500.00

Received of Thomas A Edison five hundred pounds being one half of the subscription of one thousand pounds required to be made by me to the share capital of the Edison Telephone Company of London Limited under article seven of certain articles of agreement between himself and that Company dated the 15th inst and I agree to hold one half of said share in trust for him and to account to him for all dividends thereon and the principle sum when said share are sold by mutual agreement.

Wm. H. Furness

6. Lombard Street, E.C.  
London. 24<sup>th</sup> May 1879

Thomas A. Edison; Esq.  
Menlo Park  
New Jersey. U.S.

Dear Sir,

I beg to inform you that  
Mr. Cooke is about to publish  
the lecture, notice of which from  
the London Times is appended. The  
engravings are selected from the block  
of the Engineering article, and a number  
of new ones are in process of completion.

I am,

Dear Sir,  
Yours faithfully  
Imola White

Times Friday 23 May 1879

**THE EDISON TELEPHONE.**—A very interesting and instructive lecture on the Edison telephone was delivered on Wednesday evening before the Society of Arts by Mr. Conrad W. Cooke, Professor Tyndall, F.R.S., being in the chair. In dealing with the subject, which he pursued at considerable length, the author traced the rise and progress of the telephone, pointing its development at various stages of its existence by its different practical experiments. The first successful transmission of articulate speech to a distance by means of electricity was effected by Professor Graham Bell in 1876, as announced by Sir William Thomson at the meeting of the British Association in that year. Prior to that, however, Jell, Varley, La Cour, and Edison Gray had succeeded in transmitting musical notes electrically as a practicable and useful mode of signalling. The details of these experiments were described by Mr. Cooke, after which he referred to the thread telephone, and then described the present Bell telephone. Mr. Edison's carbon telephone was next brought under notice, and its principles explained. A reference to the carbon telephone of Mr. G. M. Phelps led up to the latest development of Mr. Edison—namely, his loud-speaking telephone. As this instrument was described in The Times of the 17th of March last, we need only here observe that it consists, first, of a small chalk cylinder, specially prepared and mounted on a horizontal axis, and revolved beneath a metallic strip which is pressed upon the chalk, the latter being kept damp. At the point where the strip rests upon the cylinder is a small plate of platinum, and the opposite end of the strip is attached to the centre of a diaphragm of mica, fixed to the framing of the instrument by its circumference. By connecting the strip to the zinc element of a voltaic battery, and the chalk cylinder to the copper pole, and rotating the cylinder at a uniform speed away from the diaphragm when no current is passing, the friction between the moistened surface of the chalk and the platinum strip draws the centre of the diaphragm inwards. The movement, however, an electric current passes between the strip and the cylinder, electro-chemical decomposition takes place, the friction is reduced, and the diaphragm flies back. If a variable or undulatory current of electricity be transmitted by the instrument, the diaphragm will be kept in continual motion by the constantly varying friction attending the rise and fall of the platinum. By this means all the complex nervous undulations propagated by the vocal organs are drawn out and their corresponding variations of friction retained, and the diaphragm reproduces in a faithful volume, and which are being stored into the telephone at the distant station. The working of this telephone was admirably illustrated by means of the only instrument at present in this country, which is Mr. Edison's rough experimental apparatus. Some song was sung in a dining room in the same building; tones played on the organ, and also whistled, were reproduced with force and fidelity in the Lecture-hall, to the gratification of a crowded audience. At the conclusion of the lecture, Professor Tyndall, in a complimentary speech, proposed a vote of thanks to Mr. Cooke for his instructive lecture, which was heartily acknowledged by those present.

79E  
I think I shall be satisfied with  
our proposition of \$3000 - If he wants  
more certainly &  
we agree to that, it  
shall be with a corresponding  
reduction of  
the prospective - But  
I think we have made  
him a liberal proposition.

24 May 79

Pl. You understand  
that the salary  
part will be paid  
by the Co. so he  
will be subject to  
criticism -  
I can no doubt make  
it £1000 a year  
from the moment he  
makes any profit on  
the invested Capital.  
He will have a free opening  
for his talents but will not be  
overpaid 500 - 1869

NY 24

May 14 '79  
3 PM

Mr Edison  
ms

Why doesn't Griffin  
come in with  
documents answer  
Goussard

9 Paid  
May

May 24, 79  
Ed Goussard  
Care Louis Fitzgerald  
170 Broadway NY

Griffin waited from  
ten to twelve at British  
Consulate then returned here

~~Edison~~  
Edison

13 Collect  
3:05 PM  
9-ma

6 Lombard Street E.C.  
London

26<sup>th</sup> May 1879

Thomas. A. Edison Esq

Minlo Park

New Jersey U.S.A.

Dear Sir,

As Colonel Gouraud probably leaves the States this week, I am compelled to trouble you regarding the Telephone patents.

Mr. B. B. Brewster & I have informed me that the Patent No. 2909 was sent to their Correspondent in New York on 5<sup>th</sup> January 1878. They do not say where the other Patents are which are scheduled to the draft heads agreement. They should be sent to this country without delay. Will you be so good as to give instructions <sup>to have</sup> this done, that the grants under the Great Seal may be exhibited as in your possession.

I am happy to tell you that Sir Philip Woodhouse, late Governor of Bombay, has joined the Board. I apprehend little difficulty in <sup>obtaining</sup> the early extension of the opinion to the whole of London. I am, Dear Sir

Yours faithfully

Amoli White

Will get both  
last & send  
them over

CONRAD W. COOKE.

3, Westminster Chambers,  
Victoria Street,

London, S.W. May 26 1879.

My dear Sir,

By this post I take the liberty  
of sending you a copy of which I beg you to be  
captain of the Journal of the Society of Arts  
containing a lecture which I delivered be-  
fore that body on Wednesday evening last -  
You may perhaps find something to interest  
you in it & in Dr. Tyndall's remarks in  
proposing a vote of thanks -

I was very glad to hear from Colonel Gouraud  
& from Mr Arnold White that you were pleased  
with my article on your telephone which appeared  
in "Engineering" - I had also the pleasure of  
~~introducing~~ being the first to introduce you

beautif. photograph in the same journal a  
copy of which I hope you received in due course.

As the request of a large number of friends  
I am intending to republish the enclosed lecture  
as a separate illustrated book - I shall do  
myself the pleasure of sending you a copy when  
it comes out which I hope will be in two or  
three weeks.

With very kind regards to Colonel Gouraud

I am, my dear Sir,

Faithfully Yours

Conrad W. Corker

London N.Y.  
Conrad Cooke  
- 2nd June 1794

James A. Edison

Memlo Park

New Jersey -



agreement, wish to have the  
Great Stamps here and it is necessary  
in any case to have them here  
whenever any duty is payable  
upon them, as a receipt for the  
duty has to be placed upon the  
Great Stamps by the Government  
official -

We are, Dear Sir  
Yours faithfully,

Crushaw & Crushaw

2, Raffles Place,  
Singapore.  
London, E.C. 27<sup>th</sup> May 1879  
Colonel Forsdick  
J. A. Edison Esq.  
Menlo Park New Jersey  
U.S.A.

Dear Sir,

Telephone Patents -

Messrs Brewster and Jensen inform  
us that the Great Stamps of these  
patents, or some of them, have been  
sent to their correspondents in New  
York - Will you please arrange  
to have such of them as have been  
so sent to New-York returned to  
London, as the proposed assignees  
of the patents, under the printed

London May 27, 79

Bushaw & Bushaw

sent pat 2909 by express

June 11, 79

Patented June 11, 1879

4  
N.Y. 29  
J.A. Edison  
mo

May 29, 79  
2:10 PM

Please report progress  
Telephone ————  
Gouand

Spaid  
ma 9  
Putting them together  
Edison  
Alcott  
9 ma  
2:40 PM

3  
N.Y. 30  
J.A. Edison  
mo

May 30, 79  
1 PM

Thanks for consideration  
Could not accept for so  
short a time.  
D.H. Lunderback

11:57 AM  
ma 9

4  
Gouand, when  
Will not be able  
to get Expert Johnson  
withdrawn  
Edison

10:57 AM  
9 ma

5  
D.H. Lunderback  
Care West Electric Mfg Co  
NY

May 30, 79

Take four days more for  
considering  
Edison

6:57 PM  
9 ma

3

Harry Barclay

May 28

12

Phila

Do you think Lunderbach  
would be good man  
for ~~the~~ telephone Exchange  
in London - Edison

B.D.H.

May 28

12:20/ 40/ D.C.

1

Phila Pa 22

May 28 1877

11:20 AM

T.A. Edison  
ms

I consider Lunderbach a very  
superior man. W.D. Sargent of  
the Bell Co here is also equally  
so. Either would be valuable  
men

A. Bentley

24 D.H.  
m. 9.

4

E. A. Johnson

(May 1879)

100

Care Bergmann & Co. Woster St

As there is such a row my

I advise that you stay  
~~Have sent for~~ Louderback and will  
send man from here as  
assistant

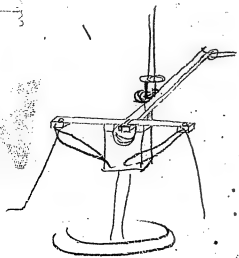
23

907M

2 MB

~~ST/2A~~

A Edison



*Port...*

385

2,5000  
166  
6 1000  
100  
2

3.33  
5  
15.6500  
11  
66.50

3330  
3  
9990

## The Gold and Stock Telegraph Company,

New York June 4<sup>th</sup> 1879

Dear Mr. Edison

I have this day tendered my Resignation but Mr. Wiley refuses to relieve me until June 15<sup>th</sup> eleven days from date - Your proposition was for me to report in 7 days - Will you kindly give me till June 16<sup>th</sup> to report so that I may not incur the displeasure of his Royal Highness and the Company he represents - If you insist on my coming June 10<sup>th</sup> I shall have to do so but should prefer to leave peacefully - Will you wait till 15<sup>th</sup> if I come up and spend Sunday next and get a few points?

Yours truly  
C. Walton

## The Gold and Stock Telegraph Company.

N. Y. June 4 1879

Thos. A. Edison Esq  
Menlo Park N.J.

Dear Sir:

Yours of June 2<sup>d</sup> was rec<sup>d</sup> yesterday afternoon. Mr. Walton has today handed me his resignation with the information that he has already executed a contract with you - I therefore deem an extended reply to your inquiries unnecessary, and will only say Mr. Walton's service in the Co. covers seven years, and that I am sorry to lose him.

Very truly yours

J. L. Miley Supt.  
M. P. Smith & Co. Telephone Expd.



## The Gold and Stock Telegraph Company,

328 West 48<sup>th</sup> St. New York June 4<sup>th</sup> 1879

T. A. Edison, Esq.

Dear Sir:

Through the kindness of Mr C. H. Walton I am informed that you have a vacancy for an assistant for the purpose of introducing your telephones in England. Please consider me an applicant for the position, I am confident that my experience & ability as electrician and construction has as good a record as the best in the Company.

I have held on to the universal printer until now. However it becomes more & more evident that the telephone will soon take their place.

Very Respectfully

W. L. Wagner

Chief Engineer R. L. D.

120 Bway  
New York  
June 4-9

To: P. A. Edmunds Esq  
Herald Park  
N.Y.  
U.S.A.

My dear Edmunds:

I am very glad to hear you  
better write to that man - in Providence  
I think you said - whom you  
first mentioned as being the most  
suitable man to go ahead, and  
whom I think Bailey tried to get but  
paid too high price.

If you were to give me his  
name and let me communicate to him  
it would save you the trouble and  
possibly expedite the matter.

I would write you such a letter  
as I think would almost tempt  
him to come to New York and have  
a talk.

I am so anxious to secure a  
suitable man before I go and the  
time is drawing nigh.

Please let me know how  
the switching board is progressing  
and if there is any chance of taking  
it with some of the telephone on  
next Wednesday's steamer.

I shall come down  
again the latter part of the week.

Yours Truly

Geo. C. Gouraud

After dictating the above C. Gouraud was  
obliged to leave

C. Kinkaid

Copy

Mr. Lincoln Linn Fielder.

London, W. C. 4 June 1879.

Dear Sir,

I have read the specifications of  
British patents No 2709, 1877 & 2396, 1878  
with the object of ascertaining whether  
the Carbon Transmitter and the receiver  
shown in the apparatus left in use are  
sufficiently specified & protected by the two  
patents. I am of opinion that the Carbon  
Transmitter is covered by both Patents the  
apparatus particularly in the second.

The description of the receiver in No 2909  
1877 together with the 1st claim "is a telegraphic  
apparatus operated by sound & receiving  
instrument provided with a resonant  
surface in combination with a frictional  
surface moved by power & acting in con-  
nection with the electric current to vibrate  
such resonant Receiver & produce tones -  
corresponding to those at the transmitting  
apparatus" seem to me effectually to cover  
the general construction of the receiving  
apparatus now shown to me - I am of  
opinion that the particular form of  
Receiver submitted to me is described  
in the final specifications No 2396, 1878  
& claimed, but apparently without any  
foundation for such claim in the  
provisional specification.

To put the specifications in  
proper form it would be best to  
ascertain previously what the points

file  
12/2/79  
12/2/79  
12/2/79

12/2/79  
12/2/79  
12/2/79

The whole apparatus would be protected upon the Patent form and only of this essential points could be supported

Yours truly

J. Henry Johnson

Misses Waterhouse & Wetherbotham

Opinion of Henry Johnson  
on Evers and Telephone Rpts

7  
1879

26. 24.

120 Bway  
New York City  
June 18/79

D.  
D. Addicoubeq }  
Mendok.

Dear Sir:

I have just had a little talk with Mr. Walton and he impressed me favorably, and according to his own % of his experience and capabilities I should judge him to be the right man.

As you seem to have made no provision in your memorandum of agreement regarding travelling expenses I have suggested a modification until his arrival in London, whereby his present salary of \$1200 per year should be paid him from date of his reporting to you at Mendok and that he shall besides have his steamer fare and railway expenses paid to London, but his salary of \$60 per month shall begin from the time of his arrival in London.

These modifications are satisfactory to him and he will prepare an agreement to this effect for my signature.

Es. has come down to see you for the last time Monday afternoon and left Wednesday morning.

I have heard nothing from Lowrey yet.

Would you telegraph him tomorrow to expedite the completion of the papers, so I can have them before I sail.

I have just received a letter from White in which he says he hopes I am making preparation for the supply of thousands of telephones.

Looks as though they expected rapid developments over there.

Yours truly,  


# The American District Telegraph Co.

R. W. ANDREWS,  
President.  
A. B. CORNELL,  
1st Vice-Pres. & Treas.

Gen'l Superintendent's Office,  
899 BROADWAY.  
H. W. POPE, General Superintendent.

T. M. FOOTZ,  
2d V. P. & Man'g Director  
C. B. HOTCHKISS,  
Sec. & Asst. Treas.

New York June 6 1879  
My dear Edison

If in the course of human events  
you should require a man fitted to  
organize, equip and maintain or operate District  
Telephone exchange systems at a salary of a  
million dollars a minute don't forget your  
 humble servant

With what success I have managed the  
Districts you perhaps are familiar - I took it  
with a big debt on its hands and it  
now has over 100,000 in the bank and  
will hereafter if as well handled, pay  
6 per cent per annum without the slightest  
difficulty.

Of course the company pay me a fair salary  
\$2,500 - and would pay more rather than  
have me leave - but I feel as if I ought  
to jump for a larger field - I am ambitious

Therefore anything on this mundane sphere  
likely to accrue to my advantage will  
be highly appreciated

Yours truly  
H. W. Pope

If I had thought you would have done  
you would have been disappointed - I am  
am paying well for the service I get for  
with proper care for permanent life at that  
time the District will come in well of good  
will



Harlow H. H. Lane S

Thomas A. Edison

Dear Sir,

I was called away, and did not have a chance to answer your arrival telegram.

I suppose of course you have secured an answer before this, and hope you have a good car.

I could not think of giving up the certainty I now have, for a temporary profit.

We are going to keep all kinds of supplies at our Newark shops, and if you need anything in our line, I hope you will give us a call. We shall make Newark Mine a specialty.

Yours Truly

T. A. Edison

I hope my thanks again.

New York 9<sup>th</sup> June 9. 79  
10<sup>15</sup> A.M.

Thos. A. Edison  
ms

Mr Gouraud desires me to ask you if Switch is finished. How are phones progressing. Am coming up tonight

C. H. Walton

19<sup>th</sup> H.  
ma 27.

4

June 7, 79

452 Pen

NY 9 J. A. Edison ms

Letter received; am surprised

Second man no object.

Please act on other  
proposition at once.

C. H. Walton

155H

mgg.

## The Gold and Stock Telegraph Company,

New York June 9<sup>th</sup> 1879Thos A Edison Esq  
Menlo Park

Dear Sir

Yours rec'd - The whole story  
 as stated in your letter is false and in  
 reported with the intention of preventing me from  
 going - I anticipated it from remarks made  
 here - I believe Geo B. Scott to be the author  
 of this infamous lie and in any case I shall  
 ferret out the author and make him "smack"  
 for it - I am at a loss to understand why you  
 believe it without investigation, give me a fair op-  
 portunity to disprove it by stating the author - I  
 thank you for the second offer but cannot  
 accept at the salary with a family on my hands  
 should be glad if you will act at once to have  
 me reinstated I cannot be thrown overboard at  
 this stage of the game -

Yours truly  
C H Walton

## The Gold and Stock Telegraph Company,

New York June 10<sup>th</sup> 1879Thos A Edison Esq.  
Dear Sir

Your letter of yesterday was a matter of complete surprise to me and the statements contained therein are false in every particular and the invention of parties who are disappointed themselves or on account of their friends -

In the first place, my position with this Company is not that of a Clerk, I have no clerical work whatever. My title is Chief Operator and paymaster of the Private Line and Telephone Dept. which the papers of this Company will show, I am in direct charge of all wiremen, Battery men and Inspectors and handle all the Telephone work of the department and I am prepared to answer any questions relating to telephones, It is utter nonsense to suppose that this Company would retain me here unless I was competent - As regards being temperate I will say that I am a moderate drinker as are also several of my superior officers and it has been proven that it does not interfere with my business in any shape



## The Gold and Stock Telegraph Company,

2

187

or form - The reasons for cancelling the arrange-  
ment are very weak - I am aware of the true Cause  
and am satisfied to drop the matter where it  
stands and shall proceed to vindicate myself  
with my friends -

Yours truly  
C. K. Walton

Dr Sir,

The Causes which I state are  
the only ones, I was very glad to get  
you. But upon the information rec'd.  
I was bound to act, If the information  
was not true, then it is the work of  
your enemies, but as I have not means  
whenever of judging I was compelled to  
do as I did, Mr. Lyndall has informed me  
that you will be reinstated - 11-1-1877

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been agreed to by the parties to the present message.  
Messages are to be placed against only by repeating a message back to the sending station for purposes, and the Company will not be liable for any error or delay in transmission or delivery of International Messages.  
The message is an INTERNATIONAL MESSAGE and is subject to payment of the sender under the conditions stated herein.

A. H. DREWKEH, Secy.

WILLIAM CORTON, Pres't.

Dated New York 7/10 1899

Received at 3:49 PM

To J. A. Edison

menlo park

READ THE NOTICE AT THE TOP.

Cable received requesting immediate  
assignment patents under class  
four telegraph Serrell receive  
my instructions

Gouard

14<sup>th</sup> my  
not go to Serrell &  
have assignment  
made to Company  
of two telephone patents  
subject to Nottingham  
contract all

120 Bivay  
City

5 PM June 10/9

Dear Esau:

While calling me today  
registration announcement of G. cannot be  
made until they have the assignment of  
patents called for in paragraph 24  
of agreement with the patents themselves  
with great seals attached.

Sell is drawing the assignments  
which he assumes we will be in time  
for the steamer following week.

Please send for better patent  
No 2909 which he says he sent  
you today so I can take it over  
with me.

No 2396 he says is in London  
and will write Brewster & Jensen to  
send it to me.

The Seythia sails at 10 am  
in the morning from Port of the River

Mr. W. E. Jensen

I shall hope to see the  
telephone promised, in time

Very Truly  
E. J.



NY June 10, 74  
Mr. Gouard  
Regarding Pat 2409

sent it to Gouard by young  
man who deliv<sup>d</sup> the letter

Dear Mr. Board  
Very soon  
Yours  
J. H. Perry

I paid Johnson  
the \$500. wh. is due  
right - I thought it was  
y<sup>r</sup> suggestion to <sup>advance the</sup> pay half  
as it was on the service  
of of Genl. Wither by  
Johnson - Sent the bill  
for the Telephone with  
a.c. Not + I will see  
that the Co. starts immediately  
that will be cheaper than  
drawing on B/R. but

so that if you prefer -

that I will be sent 1000 pounds

Contract Commercially - Some

left hand - or all to us? or

better & some close motion -

I see I the Patient all rights -

but let me see delay fast to the

Assignments - Cable me when

Ship 2 ~~at~~ "New York" London

Assignments ( <sup>name of</sup> ~~Ship~~ ) -

They must have Capital Counsel

Carls 1- Buffon or 4- Signature

~~Handwritten signature~~  
~~Handwritten signature~~  
~~Handwritten signature~~  
J. J. J.

Handwritten signature

S- June 13, 24  
NY 13 TA Edison inc 432

Will have the two assignments  
ready for signature by Tuesday  
M tomorrow. Will you call  
and sign

L. W. Sennell

1754  
mg



P.O. Box 4689

New York June 14<sup>th</sup> 1879

Thos A. Edison Esq

Dear sir

I send herewith for your signature the two assignments of British Patents no. 2396 of '78 and 2909 of '77. These documents are marked in pencil at places requiring signature and witnessing. Let Mr. Griffin obtain British Consul's Certificate upon each instrument and then return documents to me so that I can mail them for Tuesday's steamer.

Yours truly  
Lemuel W. Serrell  
L. W. Serrell

NY June 14, 29  
Chrell

Regarding assignments  
of Tel pats to London Tel Co

Executed & mailed to Gaurand  
June 17, 29

1879-02-17

11 Queen Victoria Street E.C.  
London 19<sup>th</sup> Jan 1879

T. A. Edison Esq  
Menlo Park  
New Jersey U.S.A.

Sir,

Edison's Telephone Co. (Limited)

Enclosed I beg leave to hand you  
copy of the opinion of Mr. J. G. Johnson,  
a leading authority on Patent Law in  
London, on the subject of the Specifications  
for your Telephone Patents. In this con-  
nection I may mention, that Mr. Puckro  
brought here yesterday, for the purpose of  
trial, on one of our wires, a couple of  
Tubular Carbon Transmitters. These appear  
to me to be a clear infringement of  
your Patents, and I shall be glad to  
learn for the information of the Directors

1979-06-19

what are your views with reference to  
an action against Fitch, Crockett, & any  
other persons using Carbon Transmitters,  
containing clearly microphonic capabilities

I am, Sir

Your obedient servant

Amos White

Interim Secretary

The Fitch & Crockett  
Tel are both good  
instruments.

Pauline I believe you  
are in London - I  
considered Fitch as  
going to instrument an  
exam. pt. He met  
quite right when  
you were at the  
H. I believe  
that the  
instrument  
was good.



6 Lombard Street E.C. London  
27<sup>th</sup> June 1879

T. A. Pearson Esq  
Marble Park

New Jersey

Dear Sir,

When I got back, I found that steps had already been taken by the London Company to the end of forming Local Boards in towns Liverpool, and Manchester, it having been their understanding that they could do this without consulting you, and surely there was nothing in the Document as originally drawn which implied anything to the contrary. You well see that it was very important that there should be no ambiguity on this point, as once the London Company had formed Local Boards in the large provincial towns, and established a central system it would have been very difficult, if not indeed impossible for us to have successfully formed a separate Company. I have accordingly withstood the original signed Agreement, and substituted for it another one with alterations defining this point as you well observe in Article I. There were also several other clauses which required

1879-06-27

further modification in our interests. Opening  
these questions naturally opened one, or two  
other points on the other side, but so obviously  
just and equitable, and <sup>entirely</sup> ~~and the whole~~ unopposed  
also as regards ourselves, that they were therefore  
assented to in order to secure the main points  
of the clause above referred to. You should  
therefore receive by this mail the Definitive  
Agreement made in the name of the Right  
Honorable Edward Pleydell Bouverie for  
himself, and the others, who have signed the  
Preliminary Agreement.

copy sent  
to Mr. [unclear]

I have received the assignment of the  
Patent but counsel here prefer that they should  
be made in a somewhat different manner to  
comply with the absolute requirements of  
the English law, so that we are obliged to trouble  
you to sign your name one or twice more.  
This will finish the whole thing up, and make  
everything to the liking of everybody. Let that  
they are duly certified by the Consul as before,  
which will give our friend Griffin another  
cloned of doing himself on Broadway.

Yours very truly  
Wm. E. Courant

3

June 27 29

Edison

100

Ment's Park

Instruments badly  
packed three broken  
white  
London  
may

should sign both agreements and  
should date them as of the date of the  
day of the signature -

We had better mail the agreements  
by separate steamers by registered post -

I also send you herewith Power of  
attorney made out in the name of  
myself and my brother, as requested  
by you, for the purpose of enabling us  
to sign the formal deed of assignment  
of the letters patent after the registration  
of the Company -

Yours faithfully,

A. C. Bruce & Co.

I forward only one of the  
Agreements by this post, the  
other will follow by the  
next for safety. *W. E.*

2. Suffolk-Lane,  
Cannon Street,

London, E.C. 28th June 1879

Col. George E. Howard  
6 Lombard Street E. C.

Dear Sir,

Edison Telephone Company of  
London Limited -

I now send you the engrossments  
of this agreement, in duplicate, for the  
purpose of their being despatched by  
today's mail to Mr Edison for his  
signature in the usual way properly  
verified by the English Consul - The  
agreement as it now stands is in  
accordance with the alterations which  
we have discussed in Mr Edison's  
interests -

Mr Edison

1879-06-28

11 Queen Victoria Street  
E.C.  
28<sup>th</sup> June 1879

Col. G. A. Howard  
6 Lombard Street  
E.C.

Sir,

Edisons Telephone Co.

Enclosed I have the honour to hand you for  
transmission to Mr Edison list of Shareholders  
of the above Company.

I am,

Sir,

Your obedient Servant

Amely White  
General Secretary

1 Enclosure forwarded by Registered  
mail

11th - 1979-06-28

See note at foot

Edison Telephone Co. (Limited.) of London

## List of Shareholders.

Lord Anson  
15 Grosvenor Square

10

Earl of Leicestershire Earl  
of Leicesters son-in-lawThe Right Hon. E. P. Bowyer  
17 Moorgate Street

10

Director of London & Westminster  
Bank, Chairman of Council  
of Foreign Bondholders, Late  
Member for Abernethy, &  
in Liberal Ministry in several  
first class capacities - President  
Poor Law Board, Secretary for  
Ireland, under Secretary of  
State for the Home OfficeT. A. Edison Esq.  
Monte Park, N.Y. U.S.A.

1

W. Fowler Esq.  
33 Cornhill E. C.

10

Late Member of Parliament  
for Cambridge, going to stand  
again, 1 Banker, late of  
Alexanders Cunningham & Co.  
Now Director of National  
DiscountSir Julian Goldsmid Bart. M.P.  
105 Piccadilly

10

Very wealthy man friend of  
the Waterhouse's M.P. for  
ReadingSir John Lubbock Bart. M.P.  
15 Lombard Street

10

Banker, Savant, Philosopher  
& P. L. M.P.D. Parrish Esq.  
260 Finsbury Buildings

40

Merchant

1879-06-28

T. Porter Esq. Enleigh Whiteknights Reading	10	Private Gentleman
J. Lowell Price Esq. 44 Gresham Street.	9	Head of Price Waterhouses & Co.
A. G. Remshaw Esq. 2 Suffolk Lane. E. L.	15	Solicitor.
Geo. Richardson Esq. 6 Lombard Court E. L.	5	Merchant, Wharfing man
L. R. Scott Esq. 75 Old Broad Street	5	Chairman of Stock Exchange.
J. S. Sellow Esq. 79 Hatton Garden E. L.	10	Partner of Johnson Matthey for Hatton Garden, large platinum holder. (Said to be largest holder in the world)
A. Waterhouse Esq. A. R. A. 20 New Cavendish St.	10	Architect, & associate of the Royal Academy
E. Waterhouse Esq. 44 Gresham St. E. L.	5	Accountant.
J. Waterhouse Esq. New Court, Carey Street	10	Solicitor
Sir P. C. Wodehouse K. B. Queen Anne's Mansions St. James Park	10	Late Governor of several Colonies. Cape Colony Bombay &c

1879-86-28

Colonel G. E. Gouraud.  
6 Lombard Street.

10

E. G. Williams Esq.  
Bradford.

5

Merchant

A. Howell Esq.  
30 Eastcheap.

5

Merchant

200.

This document is strictly confidential and intended for yourself only. Be careful that by no means it gets into the hands of any Newspaper reporter, as its publication in any New York Papers would be considered offensive by some of the gentlemen whose names appear above. I thought you would like to know who they all are. Moreover do not let anything appear in the papers about the formation of the Company until it is actually registered simultaneously with which it will be made known through the press here and no doubt cabled to America. I rely upon your careful compliance with these requests.

28<sup>th</sup> June '99



6. Lombard Street, E.C.  
London 1<sup>st</sup> July 1879

T. A. Edison Esq  
Menlo Park  
New Jersey  
Dear Edison,

Please cable me on the  
receipt of this the name of the  
Steamer which brings the first <sup>you</sup> original as upon the receipt of  
cabled certain measures may be  
proceeded with here without further  
delay

Yours very truly

W. Thomson

Thus to  
Menlo Park  
London  
Batter

Menlo Park  
London

July 1<sup>st</sup> 79

Johnson sailed Wisconsin  
System worked here perfectly  
had 15 lines up

Menlo Park  
July 1<sup>st</sup>

2 P.M.  
Ct. Mass.

## Edison's Telephone Company of London Limited.

### Heads of Arrangement as to Liverpool and Manchester

It is proposed that Liverpool (to be defined as including  
Birkenhead) and Manchester (to be defined as  
including Salford) should be excepted from the  
Agreement between Mr. Edison and the above named  
Company on the following terms -

1. Mr. Edison to receive in respect of each of the above  
named places the sum of £5000 i.e. Together  
£10000 such sum to be by way of further advance  
on account of the payments contemplated in Clause  
3 of the Agreement between Mr. Edison and the  
Company
2. Such sum of £10000 to be provided by a further  
issue of shares to the extent of £10000
3. Of this further issue the Company shall offer £7500  
in Manchester and £2500 in Liverpool £5000  
being reserved for Shareholders elsewhere who are anxious  
to come in -
4. The Company to form a Local Board both in Liverpool  
and in Manchester as and when it shall see fit -
5. The remuneration of each Board to be 5 per cent of  
the net profits derived from business in its own District  
after charging rent of Local Offices and Salaries of  
Local Officers and all other outgoings such remuneration  
not to be less than £1000 a year and not to exceed  
£2000 -

6. Further arrangements as to such Local Boards to be  
left to the Board of the Company -

London

July 2<sup>nd</sup> 1879

My dear Sir,

I agree on behalf of Mr. Edison to the  
arrangement as to Liverpool and Manchester above  
sketched out and undertake that Mr. Edison will ratify  
the same provided the further capital of £20,000 be  
voluntarily subscribed within one calendar month from  
this date -

(signed) Geo. C. Howard

To the Right Honourable  
E. P. Rouvier

6, Lombard Street, E.C.  
London <sup>to</sup> July 1879

F. W. Edmond Esq  
Mentle Park  
New Jersey W. I. A.

Dear Sir,

Herewith memorandum  
concerning Liverpool and  
Manchester to which I have agreed  
at the earnest solicitation of all  
the original subscribers, on the  
theory that the exchange business  
can be more established in  
these two places by these means,  
than if we were to form a  
separate company, and the  
relations between Liverpool and  
Manchester are so close, and  
their business so important  
that it is believed the introduction

of the system there will react  
very favourably upon the London  
business. The negotiations are  
being rapidly pushed forward,  
and it is probable that they will  
be entirely closed before this  
reaches you. There must  
necessarily be some formalities  
involving the execution of papers  
and it is desirable for this  
purpose that I have a general  
power of attorney from you,  
form of which I enclose  
herewith for your signature.  
Please see that it is despatched  
by return of post. This is especially  
important in connection  
with the advanced royalties

Yours very truly,  
W. E. Forster

6. Lombard Street E.C.  
London <sup>the</sup> 1<sup>st</sup> July 1879

T. A. Edison Esq  
Menlo Park  
New Jersey U.S.A

Dear Edison

I confirm receipt of follow-  
ing cable from you:  
Johnson called discussion  
system worked here perfectly  
had 15 lines up.

Very glad to receive your  
cable announcing successful  
working of the Central system  
and Johnson's departure. Hope  
the instruments have been  
packed so as to prevent breakage  
since ~~the~~ cabled you  
that three of the instruments  
were broken one has been

able to repair two of them  
which worked well in  
Manchester yesterday  
before a large and influential  
audience of business men.  
Complimentary notices in  
the papers which will be  
forwarded to you

Yours very truly

WJ

7a2  
Dear friend  
The Court of Admiralty  
to-day has done the  
Matters of importance  
& Marchant have been  
actually overruled &  
into apparently be  
entirely closed before  
the Judge. The  
Cargoes are anxious to  
get away as soon as  
possible for this summer  
holidays & expect that  
if you cable me to the  
effect that the General

Power of Attorney that you  
today has been duly  
executed & I marked  
that it may then sign  
the necessary papers  
R. L. Pool & Thomas  
Christie & the whole  
sum Court-martials for  
Admiral Bagot's  
£15,000.00. May  
be paid over at once  
the gift of the  
M. & C. to the  
Woods & Co. by  
at least 10 days of  
note of bills to

occupying that full  
 present. I must  
 not mention any  
 that you will keep  
 them & share to  
 the further £1000  
 & much the better  
 So, Adieu to all  
 Yours, "Genuine" &  
 "Poor Old Man"  
 I have kept the  
 formation of a  
 C. A. Haydon  
 £1000. Adam

these documents but that while quite sufficient as between himself and you, the enclosed documents will not answer all purposes as regards the Company inasmuch as they all referred to an <sup>(the present)</sup> document the date of which has now been altered and which has been otherwise varied -

There must be taken that all the documents now sent are properly verified before a Notary Public and certified by the British Consul in the usual way -

Before signature also by Mr Edison, the date of the agreement which was sent out for his signature on the 25<sup>th</sup> of June should be duly filled in -

Mr Edison will of course be aware of the date of this agreement -

Yours faithfully,  
A. C. Brush

Encl.

2, Suffolk Street,  
Cannon Street,  
London, E.C. 5<sup>th</sup> July 1879  
Ed: George E. Townsend  
6 Lombard St

My dear Sir,

I send you herewith :-

- 1 - Several Power of Attorney from Mr Edison to yourself -
- 2 - agreement between Mr Edison and yourself -
- 3 - Form of nomination from Mr Edison to yourself to be lodged with the "Edison Telephone Company of London Ltd" giving you authority to act on Mr Edison's behalf as a Director of that Company -

In writing to Mr Edison you will please explain that there is nothing new about



7/14/79

July 14 79  
10:00 AM

4  
Edison Menlo Park  
New Jersey

Are documents signed and  
exchanged forming answer paid

11 London Direct  
ans 31 Wds prepaid

mag

Cable.      Jan, 14 79  
Menabank London

Telephone Contracts signed and  
go first Steamer sent lot  
Telephones on ninth we have  
now removed all defects another  
shipment Wednesday also send  
a clockwork receiver works  
well

Edison

31 Collect

Ans to "Direct" table  
31 was prepaid

10 34  
9 mp

78  
31  
—  
78  
232  
2018

Long

July 19, 1879

To the Right Honorable E. P. Bourcier  
representing the intended  
Edison Telephone Company of London Limited

Referring to the Memorandum of Agreement dated  
the 21<sup>st</sup> day of September 1878 and purporting to be made  
between myself acting under a power of Attorney on behalf  
of Thomas Alva Edison of the one part and William Butcher  
of the Grosvenor Hotel London of the other part and which  
document appears to have been Registered with the Registrar  
of Patents of the United Kingdom on the 20<sup>th</sup> November and  
re-registered on the 30<sup>th</sup> November 1878 in consideration of  
your agreeing to execute the Agreement now prepared for  
signature intended to bear date the 1<sup>st</sup> day of July 1879 &  
made between the said Thomas Alva Edison of the one  
part yourself and others of the other part. I hereby  
undertake to indemnify the Company the formation of  
which is contemplated by the last named Agreement  
from all legal expenses to which they may be put by  
reason of any one action which may be commenced  
against the Company by the said William Butcher or any  
person or persons claiming under him on account  
of the first mentioned agreement.

Witness

Geo. E. Bourcier

William H. Winterbotham

Newbourn, Lincolnshire Inn

Solicitor

True copy  
am

# EDISON'S PATENTS FOR LOUD-SPEAKING TELEPHONES.

## Articles of Agreement

between THOMAS ALVA EDISON of Menlo Park New Jersey U.S.A. the Patentee and Owner of the Patents specified in the schedule hereto of the one part and THE RIGHT HONOURABLE EDWARD PLEYDELL BOUVERIE of 44 Wilton Crescent in the County of Middlesex England and the other persons whose names appear at the foot hereof opposite the number of shares to be subscribed for by them in the Company hereinafter mentioned of the other part

1. The parties hereto of the second part will within two calendar months after the execution of this Agreement by the said Thomas Alva Edison form a Company to be registered under the Companies Acts 1862-1880 and 1877 with liability limited by shares and to be called the "EDISON TELEPHONE COMPANY OF LONDON LIMITED" for the purpose of purchasing and acquiring the said Patents and with such Memorandum and Articles of Association as shall contain nothing at variance with the provisions of this Agreement

2. The capital of the said Company shall be £200000 divided into 2000 shares of £100 each of which capital £20000 shall be first issued and shall be actually subscribed for within twenty-one days after the formation of the Company with power to increase the capital beyond £200000 and with power to issue any part of the original capital other than the first issue of £20000 or any part of the increased capital with such preference or priority as may be thought desirable by the Company

3. The consideration to be paid by the Company to the said Thomas Alva Edison for the said Patents shall be a minimum royalty during the continuance of the said Patents or of any patent for any substantial improvements of 20 per cent. of the gross rent or purchase money of each Telephone leased or sold by the Company (except to District Companies as hereinafter provided) or a sum equal to the amount of dividend actually divided among the Shareholders in any year whichever of these amounts shall be the greater but if in any year or years the royalty of 20 per cent. shall be greater than the amount of dividend actually divided among the Shareholders the excess shall in the first subsequent year or years in which the amount of dividend shall be greater than the royalty of 20 per cent. be deducted therefrom The royalty shall be paid on the usual quarter days and the excess (if any) payable in respect of the amount of dividend actually divided shall be paid as soon as may be after such dividend shall have been paid

4. The Company shall on the execution and delivery to it of the necessary assignment or assignments of the said Patents pay to the said Thomas Alva Edison or to his order in London the sum of £5000 by way of advance on account of the payments contemplated in clause 3 No further sum shall be paid by the Company to the said Thomas Alva Edison until the said sum of £5000 with interest thereon or on such part thereof as on the 1st day of January in each year shall remain unpaid at the rate of £5 per cent. per annum shall have been equalled by the payments contemplated by clause 3 The Company shall also before the 31st December 1880 expend a further sum of £5000 in the purchase of Telephones laying down of Wires advertising salaries and office or other expenses to be incurred in the development of the business of the Company in London

5. The Company shall be entitled without further payment to all extensions of the said patent rights and to all improvements upon the said inventions or the application of the same which may be made by the said Thomas Alva Edison during the continuance of the said patents

6. The said Thomas Alva Edison will subscribe for and the Company will on the first allotment of Shares allot to the said Thomas Alva Edison one Share of £100

7. The first Directors of the Company shall not exceed seven in number Of the Directors the said Thomas Alva Edison shall during the continuance of the said patent rights nominate one possessing the qualification required by each of the other Directors who shall be an ex-officio member of all Executive Committees of the Board The Director so nominated may by a power of attorney appoint any other person possessing the said qualification to act as Director in his stead in case of his absence from the Meetings of the Board of Directors or any Executive Committee and the person so appointed shall in case of such absence have all the powers of the Director nominated by the said Thomas Alva Edison

8. The Director to be nominated by the said Thomas Alva Edison shall so long as the said patent rights continue appoint the Auditor of the Company or if there be two Auditors one shall be appointed by him and the other by the general body of Shareholders and the consent of such Director shall be required to the formation of any Local Board of Directors for any of the districts mentioned in clause 11

9. The Director to be nominated by the said Thomas Alva Edison shall have an absolute right of veto upon the appointment of any person proposed for the post of General Manager of the Company and he shall have the power of summoning General Meetings of the Shareholders whenever he shall think fit

10. The said Thomas Alva Edison shall have at any General Meeting of the Shareholders in respect of the one share to be allotted to him as provided in clause 6 and so long as the payments contemplated by clause 3 are payable votes in person or by proxy equal to one-half of the aggregate votes or of the aggregate votes plus one as the case may be of the other Shareholders actually voting at such meeting.

11. It shall be lawful for the said Thomas Alva Edison to form or promote the formation of Joint Stock Companies in the United Kingdom for the purpose of working the said Patent Inventions and developing the use of Telephones and to receive royalties or other payments from such Companies such royalties or other payments being identical with those mentioned in clause 3 but no such Company shall be formed or supply Telephones except for and within a district or districts co-extensive with some Parliamentary borough or boroughs or with some of the Metropolitan Postal Districts other than and except the East Central Postal District. Provided always that every such District Company shall keep proper books to be open to the inspection of the Auditor or Auditors of the Company showing that the Telephones of such District Company are used solely within its own district and showing also the amount of any royalty or other payment made by such District Company to the said Thomas Alva Edison. Provided also that no such Company shall be formed for or within any of the said Metropolitan Postal Districts until after the expiration of six calendar months from the time when the said Thomas Alva Edison shall have delivered to the Company all the Telephones mentioned in clause 18. And further that if the Company shall desire to take any one or more or all of the said Metropolitan Postal Districts out of the operation of this clause the Company shall be entitled so to do on paying to the said Thomas Alva Edison before the expiration of the said six calendar months the further sum of £5000 by way of advanced royalty in respect of each Metropolitan Postal District so taken out of this clause. Every such sum of £5000 shall be paid in the manner provided by clause 4 and all the provisions of that clause shall apply *mutatis mutandis* to every such further sum of £5000 in like manner as to the said original sum of £5000.

12. In the event of the formation of any District Company under clause 11 the Company shall supply such District Company with all Telephones required by such District Company either upon lease or upon sale as the Company shall think fit but if the Company shall at the time of the formation of such District Company be selling Telephones for use in the United Kingdom the District Company shall have the right to purchase Telephones and the Company shall not either directly or indirectly supply any Telephones to any person or company within such district other than to the District Company. The District Company shall also be bound to take over all Telephones actually leased within the District and to repay all expenses actually incurred within the District by the Company prior to the formation of the District Company.

13. The price to be paid by any District Company for the lease or sale of a Telephone under clause 12 shall be ascertained as follows. If the Telephone shall not have been manufactured by the Company then the actual price at which the Telephone was supplied to the Company with an addition of 10 per cent. profit or if the Telephone shall have been manufactured by the Company then the actual cost price for materials labour and carriage with an addition of 20 per cent. profit.

14. The Company shall be entitled to a sum equal to 10 per cent. of any royalty or other payment which the said Thomas Alva Edison shall receive from any such District Company.

15. The Company shall if and so far as may be necessary grant licences to any such District Company and do and execute any further act or deed which may be required to give effect to the provisions of this Agreement with respect to District Companies but every such act or deed shall be at the expense of the District Companies.

16. The Company shall by its Memorandum of Association take power to amalgamate with or acquire the business of any such District Company.

17. The Company shall take over the Telephones Wires and Batteries which shall be in London at the time of the formation of the Company the property of the said Thomas Alva Edison at cost price.

18. The said Thomas Alva Edison will before the payment of the sum of £5000 mentioned in clause 4 supply 50 Telephones to the Company and will with all reasonable speed supply 450 further Telephones to the Company all such Telephones to be delivered in London complete and ready for use and to be charged to the Company at cost price not exceeding £5 each.

19. In order to prevent piracy and to secure a uniformity of model the Telephones used or leased by the Company or sold by it shall be of a form which shall be in all cases determined by the said Thomas Alva Edison so long as he lives and the said patent rights continue.

20. On the 1st of January next after the ceasing of the royalty payable to the said Thomas Alva Edison the Company shall pay to the said Thomas Alva Edison half the value of the goodwill of the then business of the Company as a going concern the value of such goodwill to be ascertained in case of difference by two arbitrators or their umpire. Provided always that instead of proceeding to arbitration for the purpose aforesaid it shall be in the option of the Company to liquidate and realise its assets and goodwill and that thereon

after payment of all its liabilities and the return to the Shareholders of the amount paid up upon their shares one half of the surplus (if any) shall be paid over to the said Thomas Alva Edison

21. If the Company shall not be incorporated within the said period of two calendar months or if the first issue of capital of £20000 shall not be actually subscribed for within the said period of twenty-one days then and in either of such cases this Agreement and everything herein contained shall be *ipso facto* void

22. In the event of the Company being wound-up otherwise than under clause 20 or for the purpose of a bona fide amalgamation with any other Company or Companies the said patents and patent rights and all improvements if any upon the said invention or the application thereof shall as from the commencement of such winding-up revert and absolutely belong to the said Thomas Alva Edison his executors administrators and assigns and the Company shall execute and perfect all documents necessary for effectually vesting the same in him or them accordingly

23. The word Telephone in this Agreement shall mean and include one transmitter and one receiver exclusive of line wires and batteries

24. The said Thomas Alva Edison and the Company shall at the expense of the Company enter into and execute all such further deeds and agreements as may be necessary to give full effect to the provisions of these presents and any point in difference as to what shall be contained in such further deeds and agreements or in reference to the carrying out of any of the clauses of these presents shall be referred to the decision of two impartial persons to be appointed in the usual way and their umpire

In witness whereof the said parties hereto have hereunto set their hands this fourteenth day of July 1879

#### THE SCHEDULE ABOVE REFERRED TO

No. 2909 "Improvements in instrumts for controlling by sound the transmission of electric currents and the reproduction of corresponding sounds at a distance" Dated 30th July 1877

No. 2386 "Improvements in Telephones and apparatus employed in electric circuits" Dated 15th June 1878

N.B.—No. 2909 is sold subject to an exclusive licence to use that part of the Invention which relates to reproducing sounds called the Phonograph granted to GEORGE SWAN, NOTTAGE and HOWARD JOHN KENNARD by Indenture dated the 22nd of March 1878

*Dated 14th July, 1879.*

THOMAS ALVA EDISON

AND

THE RT. HON. E. P. BOUVERIE

AND OTHERS.

EDISON'S PATENTS FOR LOUD-SPEAKING  
TELEPHONES.

*Agreement.*

RENSHAW & RENSHAW,  
2, SUFFOLK LANE,  
CANON STREET, E.C.

WATERHOUSE & WINTERBOTHAM,  
1, NEW COURT, GABRIEL STREET,  
LONDON'S LANE, W.C.

Printed: By Joseph Casson & Sons, London.

6 Lombard Street E.C.

London 15<sup>th</sup> July 1899.

Thos. Alva Edison Esq.  
Menlo Park

New Jersey.

Dear Edison,

Johnson has arrived and is putting  
up instruments. He says that he understands  
from you that you must be placed in  
fund especially for the purpose before proceeding  
with contract for manufacture of the  
remaining 450 instruments. I hope you  
will suffer no delay as you will not upon  
reference to the Agreement that the default  
which the Company's option to the remainder  
of London involving £40000 Advanced Repay-  
ment dates six months from the delivery of the  
450 telephones. It is important that this  
option should run as short a time as  
possible. I therefore beg you will loan no  
time over this and if there be any question



24 May 1912  
Glasgow  
1000

about funds notify me particulars  
of contract and that you will require  
the funds and I will remit you, so  
should this method cause any delay  
in their delivery you may draw on  
me for installments as required.

Dredels will no doubt send your  
draft on this authority. Better make your  
contracts for a thousand instead of 500  
as several thousands will be required  
in connection with the formation  
of the provincial companies. In the  
case of the Glasgow Company it is  
stipulated that before the £10,000 Advance  
Payments are paid 100 telephones must  
be delivered. I am glad to hear that you  
have no longer the necessity to make  
them of cast iron

Yours truly  
Geo. L. Gouraud

6 Lombard Street E.C.4  
London 15<sup>th</sup> July 1874  
Thos Alva Edison Esq  
Menlo Park

New Jersey.

Dear Edison,

I confirm following cable to you  
"And documents signed and  
"exchanges forming answer paid"  
to which you replied.

"Telephone contract signed and so  
first steamer sent to telephone  
on month we had now removed  
all defects. Another shipment  
"Wednesday. Also sent clockwork  
rescued. Works well

The above comes at a very  
opportune moment and enables us to  
proceed at once in closing up Glasgow  
as we could not do this without a  
certainty of the sanction of the London  
Company on the basis of the amended



1879-07-20

London Eng July 20

My Dear Edison

Col. C. took possession of my  
Photograph - and is now trying to  
get ~~it~~ it copied and a badge  
sealed that is by the 100. - It is  
certainly the best Photo. I. E. I.  
saw - and one that I want to  
be circulated here - The Board  
inspected it - and expressed Eulogies  
both upon you, & it - as a Photo.  
They expressed such an eager desire  
to have one each - that I had  
determined to make a little Cheap  
Capital for myself by presenting  
them with one. Will you  
therefore please order at once  
15 of them for me - and at the  
same time ascertain what  
more will produce them by  
the 100 for - I want to do a

sitting & speculating on them also  
send me the bill for the 15  
and I will remit immediately.  
Hurry them forward as fast as  
possible -

I have by this morning's mail  
Batch's letter on Phosphates & Soda  
- which largely answers my Question  
of yesterday's long one to you -  
So good news -

I also have a copy of the Jan  
"Mantle a Platinum mine"

You mustn't work Batchelor &  
Griffin so hard as for poor Mack  
Well - go ahead & use him up Q.

The telephones talk splendidly  
this Monday am - one wet last  
on Friday morning - the other on  
Thursday morning - so that after  
over fairly going they hold out  
well -

I don't like the thin plate Transmitter  
It don't hold out as well as the  
regular style - Yours truly J. M. Munn

Probably 1879-07-20

My 100 Blake Transmitters have  
arrived for the Bell Tel Co. I  
have told our people - to proceed  
at once against them, as they  
did us in the magneto matter -  
and to call upon me as an  
expert for testimony as to the  
nature of the Blake Transmitter.  
I told them it is Carbon, pure &  
simple - and that without it  
we have nothing to fear from  
the Bell Tel Co. - nor with it  
for that matter - but without it  
they can't even get a foothold.  
They are organizing now in  
Liverpool & Manchester - Tell  
Batch send me some letters  
to his Manchester people - I'm  
going down there in a few  
weeks -

~~Very truly yours~~  
Wm. H. Johnson

Johnson

London England July 20/79.  
My Dear Edison  
Sunday Morning - After one week's work.  
A very meagre report to make.  
When I arrived I found that the hurry  
had greatly subsided. The London Co.  
during Col. G's absence had been down  
to Liverpool & Manchester trying to  
organize a company - under the  
impression as they assert - that they  
had an equal right with you to go  
into the provinces and form local  
boards. There was a spirit of serious  
differences between you & them & the  
Col. was compelled to compromise the  
matter by giving them the Lancashire  
District - including Liverpool - Manchester  
& surrounding towns - in addition to the  
London District - they to pay you  
10,000 £ advance royalty for the same.  
This had all to be submitted to you for  
approval - and the paper formally  
signed must be in hands here  
before the London Co. can legally  
organize - and until organized they  
do not expect to rent rooms - build lines  
- employ labour &c. &c. - I am consequently  
as yet without other association than  
enough to keep in good exhibition order  
the 4 instruments I brought with  
me. I met the "Board" - and Col. G.  
says made a splendid impression  
he remarked "Thank the Lord we  
have now some one from America"

"Who is a credit to us" - & much more  
to the same purport. In short - the brief  
on this branch of the subject, the entire  
concern seems to be well satisfied  
with their bargain. I believe however  
my coming has given mortal offence  
to one Prof. Conrad Cook - who  
aided White in the Exhibition to the Prince  
of Wales. It seems that he lent his aid  
to that enterprise - at Mr White's solicitation  
And, though he actually did nothing -  
an understrapper who had helped  
Charley King the real genius of the  
occasion - White presented him with  
a Silver Cup, suitably inscribed in  
commemoration of the occasion. He  
thought the inscription was not sufficiently  
flattering and sent it back with a  
request that it be altered after the manner  
which he suggested - this was done - though  
they secretly laughed at the man's vanity.  
Now it appears this man sets up the claim  
that White promised him £1000 per year  
as Consulting Electrician of the G. - and  
learning of my arrival he came in  
to see White & ascertain whether or  
no. My coming was going to interfere  
- of course White repudiated any such  
promise - as he unequivocally asserts  
he made no such promise. Cook then  
puts in a claim of £500 for his  
services on the occasion - and  
upon White asking him to be  
good enough to state precisely what



37  
He had done to the Telephone - ~~to the~~  
He replied "I cannot do so in such  
manner as would enable a layman  
like yourself to understand - the work  
was of a character entirely too much  
in the realm of the scientific" from  
which I conclude that Mr Conrad  
Cooke is a Charlatan - White asked  
me what I would advise - I told him  
to simply ignore the man's existence.  
He said he would do so but that  
he Cook - had the guts to place  
people with whom he could do  
a deal of harm - I told him  
that my experience was that such  
people generally opposed their notions  
pretty fairly and were contented with  
their proper value by such men as  
we wanted to interest - that our  
work would do more than our  
influence in building us up - It  
seems that Cook went straightway to  
circulating stories about White - saying  
among other things that White had  
said that Col. Goddard did not represent  
you in the Telephone matter &c &c -  
And circulating some Cook & Bull  
story in regard to me - which is not  
worth repeating except to show that  
a line of evidence is already  
opened up for me outside of  
any action of mine - solely from  
the jealousy of a local would be  
Scientist - who probably thought he

4  
had a soft thing on this Co. of Great  
Electrical doblers - I gave the Col &  
White to understand that the only  
Electrician I would consult - because  
the only one I could advantage - would  
be Mr Thomas A Edison - but that if  
they wanted to employ a lot of people  
by way of propitiating local politicians  
they were at liberty to make donations  
in such directions as any other - but it  
must be clearly understood that no  
service would be called for by me.  
At this summary sort of treatment  
they all seemed to be well pleased  
because as white expressed it - "we  
seemed to have all the talent we  
required within the air our boundaries"  
So I guess that matter is effectually  
disposed of. Though you may probably  
have another Anti-Electric Light drive.  
Now as to the main White - I have  
of course watched him with some interest  
& I think have taken his measure -  
- Charley disliked him because of his  
Rash & dauidy - ways - as he termed it.  
And he has the English of McLaughlin  
to a pretty considerable extent -  
Outside of that he is evidently a  
man of brains & of business - He  
is the proposed Secretary of the  
where Secretary means business  
manager - He has authority and  
gets into it - he probably did so  
with Charley, who had made an

5  
his mind to take a trip to Paris - when  
he told him he must not go as an Exhibit  
to the Prince of Wales was arranged for -  
Chawler - felt insulted at not being  
consulted - and was quick to resent  
White's tone - by flatly refusing to defer  
his trip - White having a full consciousness  
of the fearful cost to Goussard of allowing  
his man to leave him - & keep him feared -  
as was Goussard's case with Adams -  
determined then & there to assert his  
independence and told Chawler to go  
ahead - the instruments could be made  
to work by others - & they were - The  
Clerks and the boys about the office  
who liked Chawler, endeavored to  
dissuade him from persevering in  
his purpose of leaving White in the  
lurch - but he was insulted &  
go he would - That is all I can  
gather of the story from the clerks  
who had nothing with him. I have  
not asked White for his views, as  
I treat the matter with him as of  
no interest to me. I think Chawler  
failed to subordinate his personal  
feelings to the business in hand -  
That was his failure - Had he  
simply told White to go to Hell - &  
then went on doing the work &  
using his utmost to have made  
the thing a success he would  
have been entitled to your sympathy  
& the insult - would probably have

6 been taken by the other fellow - It's  
a case of failure to send the right  
man to the Devil. I haven't seen  
Crawley - as yet - nor Puckas -  
Morton was in the London office  
just before I arrived - setting up a  
claim to having rendered you  
valuable assistance in having given  
you the "Design" for the present telephone.  
How wonderful what a number of  
valuable assistants you have had.  
They are so common that for the sake  
of being original I'll give a great mind  
to disclaim any knowledge of you  
until the moment of sailing.  
Adams it seems has his cart. partner  
as full partner with you - Even  
while his associates seem still to be  
under the impression that such was  
the case. Until I explained the  
peculiar form of partnership -  
and his real status with you - the  
by-the-way - seems to have launched  
out heavily here - Ordering telephones  
- Magnets - Experiments - Batteries &c &c  
with a prodigality simply amazing  
Gorham & White each have an  
office full of stuff which never  
came from your Establishment  
Magnets - of designs & shapes. I  
never beheld - hundreds of Batteries  
Battery boxes &c &c - for which he  
could possibly have had no  
earthly use - I asked for an

7

explanation of his apparent Caste  
 - blunche in his direction and  
 White gives it, by saying that Adams  
 had Cal Gouvard completely soared  
 he was so afraid of him that he  
 addressed him always in ~~terms~~  
 he would not use towards high  
 functionaries here. These Adams  
 used to still further enhance his  
 Credit with the Shops - & near  
 drove the Cal to distraction, the  
 net result being to pile up a lot  
 of lumber here which is probably  
 only equalled by Phelps Cellar. &  
 which gives the impression that  
 your Electro Chemical Jordan has  
 been an extremely hard & expensive  
 road to travel.  
 Now if you please we will consider  
 that day as having passed and all  
 these night mares as having performed  
 their part in promulgating the present  
 day. Cal Gouvard and I were agree  
 White & I shall have no possibility  
 difficulty in managing. He is weak in  
 so many directions that I am totally  
 independent to - that I can throw him  
 a sop every now & then & then  
 keep him in my trail, & not myself  
 have to fall into his.

Of the Board of Directors, ~~these~~

8  
is only this to be said - They are  
too Rich - too Well Known - and too  
entirely Men of Brains - for me  
to buck against if I were so  
inclined or fancied I had  
occasion - but since they  
are such I like them and shall  
make strong personal friends  
of each of them without doubt.  
They impress me as men in this  
line of the first Wm. Thomson  
class - in this - too entirely conscious  
of their standing to be collectors  
of Concerning any trespassing upon  
th - Now for Business

I had for two days some difficulty in  
restoring my Buttons to a working state  
- and still find it impossible to  
make good ones out of some of them  
though I have managed to get a  
few excellent ones by experimenting  
with a varying degree of soaking  
some seem to have gone entirely  
Others only slightly and Others again  
requiring a vast deal of Mending  
- and very Careful Mending to  
prevent Crystallization - or abrasion  
of the surface - for when they lose  
the smooth surface, by the smallest  
possible amount of wear - they  
cannot be restored -

9. Another rather singular feature is that when a thoroughly good chalk - one which has been working for 3 days perfectly without moistening - is suddenly started, it fails to utter a word until the handle has been turned rapidly a few times each way - then it may be turned constantly in one direction for hours & it will work O.K. - This is the case with all of them - so I have instructed the users to always give it a few turns before using - which of course are difficult - but how about clockwork - The chalks which I brought inside the Telephone sounded out much the best - those wrapped in tin foil were all bad - I thought that as they had never been wet they became absolutely dry - while those in the telephones having been thoroughly moistened retained a sufficient quantity of moisture to give a foundation for re-moistening - Can a chalk which has been once thoroughly doused - be re-moistened to the core - Do not we only wet from the surface a short distance in & depend upon the prime moisture therein for giving conductivity to the inner body - If this inner body once becomes dry then to reach it from the surface

requires such long soaking that the outer scale is destroyed? Is not the remedy for this either to thoroughly wet the Chalks before leaving anemias - or make the Chalk body so much thinner that it can be readily penetrated by water from the surface when once it has become dry - Or make the chalks here; the further corroboration of my notion - take this I find by wetting a dry chalk just as it will part without destroying it - softening the scale - & putting it on the spindle in the usual way, it is absolutely silent - but if you turn it around so the pen runs on the extreme edge & consequently close to the metal rim, it works splendidly - Now is not the current carried through but a thin scale of the surface in this case side wise to the rim. Can't these Chalks be given a prime moistening of something that will not dry out - nor interfere with the surface action -

In re. to the necessity for turning the handle a few times before speaking - is this not to clean the surface of the decomposition produced by the last operation of the instrument - and which has undergone some change meanwhile



11  
Which has converted it into a sort  
of non conducting paste? this  
notion has just occurred to me. I'll  
put a sort of soft paper on tomorrow  
if I can keep it clean -  
Now in regard to the Case Battery  
It's a failure I'm afraid - I'll tell you  
why - They dry out in about 2  
weeks - some earlier - Now melting  
them again is impracticable for  
the reason that the Paraffine you  
have poured in them prevents the  
Machinere from getting in where  
it was wanted - except in a very  
slight degree - sufficient in some  
cases to operate them for 2 or 3 d<sup>y</sup>  
& in others not enough to restore  
them to action at all -  
I shall try and reconvert them but  
am afraid they are gone for good  
I have been looking around  
for small Leclanche and find  
some very small ones used in  
series of 33 or 40 by Physicians.  
for much I got a dozen of them  
and am going to try them tomorrow  
if they were being the Bell Co. - they  
will answer our purpose as  
1 dozen of them can be put up  
in a small box about 6 inches  
square for about \$2.50 or 3.00  
If they fail to work satisfactory I  
think I'll write on to Foreivelt at  
Paris and see if he can't send

12  
We wish what I want there. I  
Webb all through Elliott Bros place  
they have some magnificent  
Scientific Apparatus - some Measuring  
devices especially adapted to your  
Electric Light work. I got a Catalogue  
from them which I send you. No  
doubt you will find some very  
interesting things in it. Engineer  
see the present no of the Engineer  
it has a slur at you - I told the  
people here that you simply laughed  
at those things. The London Times  
published Chapin's Letter about  
the News Telephone exhibit -  
it was very good - only he made  
a fearful blunder - getting the  
Phonograph & Telephone inextricably  
mixed up - You will find it in  
just copied into the Engineer  
The Daily News had a Cablegram  
from you on the reduction of  
the price of your burners from  
several dollars to 56 cents by an  
Alloy - The Engineer slurs you on  
it - I hope you will keep me  
posted on your E. L. work as well  
as other things, I have already  
had some tall controversies on the  
subject, but I got away with my  
man each time - I see one  
J. George Love Fox - has a long  
series of Claims in ahead of you

12  
Here some of which are very  
good - They look to me very much  
as if he had been thinking out  
a multitude of things for the  
purpose of anticipating you  
in the Patent Office - this is given  
color to - by the rumor which I  
hear that he is anxious to  
compromise with you - as far  
as I can see however I don't  
see that he has a single device  
which in actual practice would  
work. I wonder what your  
Cablegram means where it says  
"We have now removed all defects."  
Have you sent me Telephones  
different from those I brought?  
Have you sent me new chalks? or  
What is it - Tuesday or Wednesday will  
do.

Give my regards to Mrs Edison. Tell  
her that my wife has written her a  
good long letter telling her what a  
charmed country this is. Certainly  
it cannot compare with our  
Native Land.

What become of the fester - is he  
fit with you?

My wife sends her regards  
my next letter - Not having to cover so  
much ground will not take your time  
so much to read.

Yours truly E. Johnson

London Eng. July 22/79.

My Dear Edison

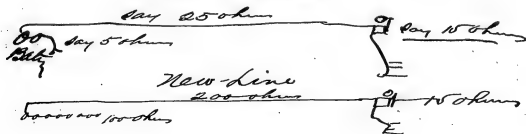
I have been experimenting for a battery for the case Bells - all the Piles having completely played out the result of my experiments are as follows.

- 1<sup>st</sup> The Resistance of the Bell Magnet & the Drop magnets is too low - it should be 100 ohms.
- 2<sup>d</sup> I shall tomorrow have a Bell & two Drops on the switch board made to 100 ohms each - then if your Battery or my little series of Leclanche Operate all night - You would will authorize me to have the entire lot changed -

Here is my experiment & theory

We have increased resistance of line and internal resistance of Battery but kept res. of magnets the same

thus. Old Telephone



To prove it - I took relayed out battery's  
& put them through wire - call  
Bell - Resistance and a 100 ohm Relay  
They work the Relay Bang up -  
and ~~will~~ continued to do so  
for an hour - rapidly -

It is now a question whether I shall  
use a Medium Leclanche - Costing  
here 1 £ = ~~and~~ maintain the  
resistance of the magnets as they  
are - Or alter the magnets - I  
decide to alter the magnets - because  
I think you will do so in  
future instruments - Thus if I did  
not - now - I should be compelled  
to re-arrange - and have then a  
lot of useless Battery on hand  
The New telephones will reach  
here tonight - I hate like the devil  
to make this change - but after  
full experimenting and full  
discussion with Goussard, he  
thinks it wise to do so -

I write tonight because a mail is  
going out. I may think of doing  
other way out of the difficulty by  
tomorrow

Hastily Yours

Ed. Johnson

Elizabeth N.Y.  
Ch. H. Walton  
and July 29  
see letter book

Elizabeth N.Y. July 29th 1899  
Thos. A. Edison Esq.  
Menlo Park, N.J.

Dear Sir:

On June 7<sup>th</sup> you  
made an agreement to procure ~~me~~  
a situation as telephone expert to go  
to England and advised me to resign  
my situation with the Gold and Silver  
Co. which I did. After informing all  
of my friends of the offer you had made  
I received from you a letter annulling  
the agreement for reasons which I am  
certain will not form your own personal  
knowledge but from persons who were  
envious of me - the best corroborating  
evidence of these statements is the fact  
of the Gold and Silver Co. dropping London  
tarnish me in their employ for nearly

eight years and during the past two years having given me full control of all the Inspection, Revenue, Battery and in fact all of the details of the Private and Public, this fact nearly fifteen years, Am a good man Mr Haley will cheerfully bear witness to that, Private and Public in almost anything I am sure - On the strength of your offer that in classes with such business as I made some little arrangements outside the Gold and Stock Co. do - of my general expenses anticipating that it is in your power to make or break everything should move along smoothly <sup>which</sup> will you do ~~it~~? I promise you to look to the contrary I am terribly run down on drink (I can do it as debt - I am going to inform you that I am not a confirmed drunkard) and in consequence of the disappointments do lots of good in this country - I drank more or less and on Wednesday I wrote you at the suggestion of many kept was dismissed from the company of my friends and hope you will give advice - I was never intoxicated during the matter you kind consideration for business hours, for proof I refer you to reply as early as you can - Mr Haley - I prefer locating away from New York I am without a dollar and a wife as I think the influence there are had and two small children to care for, something to do with my misfortune one of my children now lies with a keeping to hear from you very soon fear and increasing a doctor bill. I remain Yours Very sincerely,

Charles Walton

1145 Magnolia Ave.

Elizabeth N.

I have the original letter  
from the author, who is a  
very kind person - get  
Bill paper



[FROM GEORGE E. GOURAUD]

7/29/79

2

July 29, 79  
1029 am.



Edison  
Menlo Park N.J.

Cable that irrevocable power  
Attorney and appointment  
as Director are signed and  
mailed

16 London  
Direct  
Mail

2

July 29 79

Menlo Park London

Power of Attorney and  
Appointment as Director  
Signed and mailed on  
Sixteenth

Edison

15 Menlo Park  
July 29

1055 AM  
C Ma

OK.

#11

Menlo Park London

July 30, 79

Shipped today lot Telephones that's simply perfect.  
Telegraph through Drexel seven thousand five hundred.  
for 500. delay money delays Telephones, manufacturers  
require advance and instant payment delivery -

29. Menlo Park  
July 30

140 PM.  
C Ma

31  
21 1/2  
21 1/2

*Dated 1st August, 1879.*

---

THOMAS ALVA EDISON

AND

THE RT. HON. E. P. BOUVERIE

AND OTHERS.

---

Supplemental Agreement.

---

BENSLAW & BENSLAW,  
2, SUFFOLK LANE,  
CANON STREET, E.C.

WATERHOUSE & WINTERBOTHAM,  
1, NEW COURT, CANARY WHARF,  
LONDON'S TOWER, W.C.

Printed: Sir Joseph Casson & Sons, London.

Aug 1, 1879

## An Agreement

made the 1st day of August 1879 between THOMAS ALVA EDISON party to the annexed Agreement of the one part and EDWARD PLEYDELL BOUVIERIE and the other persons parties to the annexed Agreement of the other part. ~~Whereas~~ the several persons parties hereto are desirous of altering modifying or explaining the provisions of the annexed Agreement to the extent only and in manner hereinafter appearing and not further or otherwise ~~Now these presents witness~~ and it is hereby agreed as follows:—

1. The sentence in the 4th clause of the annexed Agreement beginning "no further sum" and ending "contemplated by clause 3" shall be considered as struck out and the following sentence shall be inserted in lieu thereof:—"No further sum shall be paid by the Company to the said Thomas Alva Edison until the payments contemplated by clause 3 shall have made up the said sum of £5000 with interest computed from the day of payment of the said sum at the rate of £5 per cent. per annum on the said sum of £5000 or on such part thereof as on the 1st day of January in each year shall not have been made up"
2. Notwithstanding anything to the contrary in the annexed Agreement contained or implied it shall be lawful for the said Thomas Alva Edison by himself or by his Agents within the limits of any Parliamentary Borough or of any of the Metropolitan Postal Districts (except the East Central Postal District or any other of such districts for the time being taken by the Company under the power in that behalf by the annexed Agreement given to them) to set up and use Telephones in such manner in all respects as he shall think expedient with the view only of promoting the formation of a District Company for such borough or district and for such purposes the Company shall supply to the said Thomas Alva Edison all such Telephones as he may require at the same price as is mentioned in clause 13 of the annexed Agreement and if they shall fail to supply the same it shall be lawful for the said Thomas Alva Edison to make or procure to be made such Telephones as he may require and in either case the rights and obligations as well of the Company as of the said Thomas Alva Edison with regard to each other in respect of such Telephones shall be the same as the rights and obligations between the Company and any such District Company as mentioned in the annexed Agreement
3. In the event of the formation of any District Company which under the annexed Agreement as modified by the last preceding clause the said Thomas Alva Edison is empowered to form or promote the Company shall at the request of the District Company (but not otherwise) supply Telephones to the nominees of the District Company beyond the limits of the Parliamentary Borough or Postal District for which the same is formed for the purpose only of communicating and working with Telephones within the same borough or district and the District Company shall in like manner at the request of the Company (but not otherwise) supply Telephones to the nominees of the Company within the same borough or district for the purpose only of communicating and working with Telephones beyond the limits of such borough or district. All Telephones so supplied to the nominees of either Company shall be supplied upon the same terms as to rent or purchase-money as shall for the time being be in force with respect to other Telephones. For the above purposes the Company may supply lines wires and batteries within the said borough or district and the District Company may supply lines wires and batteries beyond the limits of such borough or district
4. In order to secure uniformity of tariff throughout the United Kingdom no District Company shall let or sell any Telephones or supply any lines wires or batteries except upon terms identical with those which shall for the time being be adopted by the Company for letting or selling Telephones or supplying lines wires or batteries
5. No Telephone shall be supplied by any District Company either upon lease or upon sale except under a written contract providing for its retention and exclusive use at a particular place within the said borough or district and not elsewhere and for the non-removal of any stamp mark or inscription which may be on the said Telephone as supplied by the District Company
6. Every District Company shall during the continuance of the patent rights give prompt notice to the Company of any or every infringement of such patent rights within the said

borough or district which may come to the knowledge of the District Company or their officers and shall at their own expense render to the Company all such reasonable assistance as may be necessary for instituting and prosecuting every proper proceeding in relation to such infringement which the Company shall think fit to institute and prosecute

7. If the Company shall not think fit to institute or having instituted to prosecute any further proceedings in relation to any infringement of the said patent rights within the said borough or district the District Company shall be at liberty in the name of the Company or otherwise to institute and prosecute such proceedings or to continue the prosecution of any such proceedings instituted by the Company and not thought fit to be prosecuted by them and shall indemnify the Company against all costs loss and damage in respect thereof

8. In the event of the Company instituting and prosecuting any proceeding in relation to any infringement of the said patent rights within the said borough or district and recovering damages in such proceeding the Company shall pay over to the District Company the residue of such damages after deducting therefrom all costs and expenses incurred by the Company in consequence of such proceeding beyond the amount of the costs of the same proceeding recovered from the infringer or infringers or if such damages shall have been recovered in respect of an infringement as well within as outside the said borough or district then the proportion of such residue thereof which shall be referable to the damage occasioned by such infringement to the District Company the respective amounts of such costs and expenses and of the residue or proportion (as the case may be) of the said damages to be ascertained and settled in case of difference by two arbitrators or their umpire in the usual way

9. Notwithstanding anything hereinbefore contained the Company shall alone bear and pay all the costs and expenses of and incidental to the first proceeding in the course or as the result of which the validity or invalidity wholly or partially of the said patent rights shall be tried and established and if in the course of any proceeding instituted by the District Company it shall appear that such validity or invalidity may be therein tried and established the Company shall at their request and upon indemnifying the District Company against all costs previously incurred in respect of the same proceeding be at liberty to take upon themselves the future conduct thereof

10. The obligation imposed upon the Company by the annexed Agreement to supply Telephones to any District Company shall be conditional upon the execution by such District Company of an Agreement with the Company or the adoption by such District Company of an Agreement made before its incorporation with the Company to perform and observe the stipulations contained in clauses 3 to 9 inclusive of these presents

11. The payment for the 50 and the 450 Telephones respectively mentioned in the 18th clause of the annexed Agreement shall be made to the said Thomas Alva Edison by the Company within seven days after delivery thereof respectively

12. The annexed Agreement has been entered into under the belief that a certain document dated the 21st day of September 1878 purporting to be an Agreement between George Edward Gouraud on behalf of the said Thomas Alva Edison of the one part and William Butcher of the other part relating to the use of Telephones by Railway Companies and in Manufactories in the United Kingdom is wholly void or incapable of being enforced. If however the said William Butcher or any person or persons claiming under him should obtain a judgment for specific performance against the Company in respect of the said alleged Agreement the sale to the Company shall not be invalidated thereby but the Company shall be entitled to receive all royalties and other sums of money which shall become payable to the said Thomas Alva Edison under or by virtue of such alleged Agreement and the said Thomas Alva Edison shall at his own cost in all respects execute and do all deeds and things necessary for assigning such royalties and other sums of money and the right to receive the same to the Company and such royalties and other sums of money shall be considered as gross rent or purchase-money for the purposes of clause 3 of the annexed Agreement. The covenants for title in the assignment of the letters patent shall be in the usual absolute form but the measure of damages in respect of any interference with the title of the Company under or by virtue of the said alleged Agreement or anything arising therefrom or connected therewith shall be the royalties and other sums of money hereinbefore agreed to be assigned to the Company and no further liability in respect

thereof shall attach to the said Thomas Alva Edison under his said covenants for title after such Assignment shall have been executed

13. In the event of any action being brought by the said William Butcher or any person or persons claiming under him in respect of the said alleged Agreement against the Company and so long as any such action shall be pending the Company shall not be bound to supply any District Company with Telephones except upon an express contract that they shall not so long as any such action is pending be used by Railway Companies or in Manufactories. In the event of an injunction being obtained against the Company or an undertaking equivalent to an injunction being given by the Company in any such action no damages shall be recoverable against the Company by the said Thomas Alva Edison or by any District Company in respect of the omission to do anything which if done would be a breach of such injunction or undertaking

In Witness whereof the said parties have hereunto set their hands the day and year first above written.

*Dated 2nd August, 1879.*

---

THE EDISON TELEPHONE  
COMPANY OF LONDON,  
LIMITED.

---

Memorandum

AND

Articles of Association.

---

WATERHOUSE & WINTERBOTHAM,  
1, NEW COURT,  
LINCOLN'S INN, W.C.

*Printed by: Sir Joseph Colverson and Sons, London*

*Memorandum of Association*  
OF THE  
EDISON TELEPHONE COMPANY OF LONDON,  
LIMITED.

---

I. The name of the Company is "THE EDISON TELEPHONE COMPANY OF LONDON, LIMITED."

II. The Registered Office of the Company will be situate in England.

III. The objects for which the Company is established are :—

1. To adopt and carry into effect an Agreement, dated the Fourteenth day of July, 1879, and made between THOMAS ALVA EDISON of the one part, and the Right Hon. EDWARD PLEYDELL BOUVIER and others, whose names are thereto attached, of the other part, and an Agreement thereto annexed, dated the 1st day of August, 1879, and made between the same parties, subject to any modifications in either or both of the said Agreements, which may be agreed upon between the Company and the said THOMAS ALVA EDISON.

2. To acquire any letters patent, rights, or monopoly relating to the inventions mentioned in the said Agreement, or any inventions of a like character, or any interest therein upon any terms, and to take and work any license or licenses in connection with any such invention.

3. To do all such things as may be deemed expedient for using and otherwise obtaining the full benefit of the patents and inventions for the time being belonging to the Company, or in which it is interested, with full power to grant licenses for the use thereof, and to manufacture, sell, and let apparatus for the application of the said inventions.

4. To acquire the goodwill of, or any interest in, any trade or business, similar or analogous to any trade or business which the Company is authorised to carry on.



5. To acquire and work all necessary machinery, materials, and things, and to acquire by lease, purchase, or otherwise any land or buildings, or to erect any buildings for any of the purposes of the Company.

6. To sell, improve, develop, manage, work, maintain, let, mortgage, or otherwise deal with, and dispose of, all or any part of the business and property of the Company, in such manner, on such terms, and for such purposes as the Company may think proper.

7. To unite, co-operate, or amalgamate with any Company already or hereafter to be established for, or engaged in, objects similar or analogous to those of the Company, and to acquire, for the benefit of the Company, and in the name of the Company, or otherwise, all or any of the Shares, or Stock, or any other interest in any such Company, and to promote the formation of any such Company.

8. To do all such other things as are incidental or conducive to the attainment of the above objects.

#### IV. The liability of the Members is limited.

V. The Capital of the Company is £200,000, divided into 2,000 Shares of £100 each, with power to increase such Capital, and to issue any part of the original Capital beyond the first £20,000, or any part of the increased Capital, with such preference or priority or otherwise as may be thought desirable by the Company.

WE, the several persons whose names and addresses are subscribed, are desirous of being formed into a Company, in pursuance of this Memorandum of Association, and we respectively agree to take the number of Shares in the Capital of the Company set opposite our respective names.

Names, Addresses, and Descriptions of Subscribers.	Number of Shares taken by each Subscriber.
EDWARD FLEYDELL BOUVERIE, P.C., 44, Wilton Crescent, S.W.	Ten.
SEPTIMUS RICHARD SCOTT, 75, Old Broad Street, E.C., Stockbroker ... ..	Five.
WALTER CAMPBELL, 18, Old Broad Street, E.C., Stockbroker ...	Five.
JOHN LUDDOCK, 16, Lombard Street, E.C., Banker ... ..	Ten.
GEORGE RICHARDSON, 3, Lombard Court, Lombard Street, E.C., Iron Merchant ... ..	Five.
ALFRED HOWELL, 30, Eastcheap, E.C., Merchant ... ..	Five.
GEO. E. GOURAUD, 6, Lombard Street, E.C., Director of the Mercantile Trust Co., New York, U.S.A. ... ..	Ten.

Dated the 2nd day of August, 1879.

Witness to the above Signatures,

RICHARD HARRISON, Solicitor,

Clerk to Messrs. Waterhouse & Winterbotham,

1, New Court, Lincoln's Inn, W.C.,  
Solicitors.

*Articles of Association*  
OF THE  
EDISON TELEPHONE COMPANY OF LONDON,  
LIMITED.

---

PRELIMINARY.

1. The regulations of Table A in the first schedule to the Companies' Act, 1862, shall not apply to this Company, except so far as the same are repeated or contained in these Articles.

2. The Company may from time to time exercise any powers which by the Companies' Acts, 1862, 1867 and 1877 a Company limited by Shares may exercise if authorised by its Articles of Association, including therein the power to reduce its Capital whether paid up or uncalled, and either by cancellation of unallotted Shares or otherwise, and the power to divide its Capital or any part thereof into Shares of smaller, or to consolidate the same into Shares of larger amount than that fixed by the Memorandum of Association.

CAPITAL.

3. The registered holders of Shares in the Company for the time being whatever the number issued, shall be and continue associated, and the business of the Company may be at once commenced and the regulations for the management of the Company shall be in force.

4. The Shares shall, so far as consistent with the Agreement referred to in the Memorandum of Association, be allotted by and at the discretion of the Directors.

5. The Company may from time to time by an Extraordinary Resolution increase its Capital beyond the amount mentioned in the Memorandum of Association by the creation of new Shares of such amounts per Share and in the aggregate as such resolution shall direct, and either with or without the right to a fixed or perpetual Dividend over the original or the existing Capital of the said Company, such new Shares, unless it be otherwise determined by such resolution, shall be offered in the first instance to the Shareholders on the register in proportion to their respective holdings, but save as aforesaid all new Capital shall be allotted to such persons, and in such manner, and with or without any preference or postponement as to Dividends or in distribution of Assets, and with or without any guarantee as to interest, and either at a premium or discount, and subject to such conditions as to Calls or otherwise, as the Board shall deem fit; but no Share shall be issued at a discount or with any such preference or guarantee, except by the authority of an Extraordinary Resolution of the Company.

6. If several persons are registered as joint holders of any Share, any one of such persons may give effectual receipts for any Dividend, Bonus or return of Capital payable in respect of such Share.

7. Every Member shall be entitled to a Certificate under the Common Seal of the Company, specifying the Share or Shares held by him, and the amount paid up, or deemed to be paid up thereon, and if such Certificate be worn out, defaced, destroyed, or lost, it may be renewed on payment of five shillings, or such less sum as the Directors may prescribe.

8. The Company shall not be bound by or recognize, even though having notice thereof, any other right in respect of a Share than an absolute right thereto in the registered holder thereof for the time being, and such right in case of transmission as hereinafter mentioned.

#### TRANSFER AND TRANSMISSION OF SHARES.

9. The instrument of transfer of any Share in the Company shall be under seal and in such form as the Board may approve, and be executed both by the transferor and transferee, and the transferor shall be deemed to remain the holder of such Share until the name of the transferee is entered in the register book in respect thereof.

10. The Directors may in their absolute discretion, and without assigning any

reason, decline to register any transfer of registered Shares made by a Member to any person not approved by them.

11. Every Deed of Transfer must be left at the Office of the Company to be registered, accompanied by the Certificate of the Share to be transferred, and such other evidence as the Directors may reasonably require to prove the title of the transferor, or his right to transfer the Shares, and with the payment of such fee as the Directors shall think fit from time to time determine, and thereupon the Directors, subject to the power vested in them by Article 10, shall register the transferee as a Shareholder, and shall retain the Deed of Transfer.

12. In no case shall the Directors be bound to enquire into the validity, authority, legal effect, or genuineness of any Deed of Transfer produced by a person claiming as transferee of any Share in accordance with these Articles, and whether they abstain from so enquiring, or do so enquire and are misled, the transferor shall have no claim whatsoever upon the Company in respect of the Share except for the Dividends previously declared in respect thereof, but only, if at all, upon the transferee.

13. The transfer books may be closed during the fourteen days immediately preceding every Ordinary General Meeting.

14. The executors or administrators of a deceased Member shall be the only persons recognized by the Company as having any title to his Shares, except in the case of Shares held on joint account, in which case the survivors only shall be recognized by the Company as the persons entitled to such Shares.

15. Any person becoming entitled to registered Shares, in consequence of the death or bankruptcy of any Member, or in consequence of the marriage of any female Member, or in any other way than by transfer, may upon such evidence sustaining the character in respect of which he proposes to act under this clause, as may from time to time be required by the Directors, or on his title being produced, either be registered himself as a Member in respect of such Shares, or subject to the regulations as to transfer herein contained, may transfer the same to any other person.

#### CALLS ON SHARES.

16. The Directors may from time to time make such Calls upon the Members in respect of all moneys unpaid on their Shares as they may think fit, provided that one month's notice at least be given of each Call.

17. Each Member shall be liable to pay the amount of every Call so made on him to the persons and at the time and place appointed by the Directors, and in case of default to pay interest for the same at such rate as the Directors shall fix, not exceeding  $\$10$  per cent. per annum from the day appointed for payment thereof to the time of the actual payment, and joint holders of Shares shall be so liable severally as well as jointly in respect of all Calls thereon and interest.

18. The Directors may, if they think fit, receive from any Member willing to advance the same, all or any part of the moneys unpaid upon the Shares held by him beyond the sums actually called up, and the moneys so paid in advance or so much thereof as shall, from time to time, exceed the amount of the Calls then made upon the Shares in respect of which such advance shall have been made, may, as the Directors and Members paying the same may agree, be treated either as payments in advance in respect of such Shares entitling the holders thereof, for the time being, to Dividends at the same rates as if such moneys had been paid up in pursuance of Calls, or as loans, at such interest, and on such terms, as the Members paying such sums in advance and the Directors shall agree upon.

#### LIEN ON SHARES.

19. The Company shall have a first charge of paramount lien upon all Shares for all moneys due to it from and for all engagements with the holder or any of the joint holders thereof, either alone or jointly with any other person, whether the period for the payment, fulfilment, or discharge thereof shall have actually arrived or not, including all Calls, the resolutions for which shall have been passed by the Directors, although the times appointed for their payment may not have arrived.

20. Such lien may be made available by a sale of all or any of the Shares subject to it, provided that no such sale shall be made except under a resolution of the Directors, and until notice in writing shall have been given to the indebted Member or his executors or administrators, or the trustee in his Bankruptcy, requiring him or them to pay the amount for the time being due to the Company, and default shall have been made for twenty-eight days from such notice in paying the sum thereby required to be paid.

21. In case of such sale the Directors shall apply the clear proceeds, after the payment of any expenses, in or towards satisfaction of such debts or engagements and the residue (if any) shall be paid to such Member, his executors, administrators, or assigns.

#### FORFEITURE OF SHARES.

22. If any Member fails to pay any Call or other money payable in respect of a Share on the day appointed for payment thereof, the Directors may at any time thereafter during such time as the Call or other money shall remain unpaid, serve a notice on him requiring him to pay the same, together with the interest that may have accrued, and any expenses that may have been incurred by the Company by reason of such non-payment.

23. The notice shall name a further day not less than twenty-one days after the day first appointed, on or before which such Call or other money, and all interest and expenses incurred by reason of such non-payment are to be paid. It shall also name the place where payment is to be made; the place so named being either the Registered Office of the Company, or some other place at which the Calls of the Company are usually made payable. The notice shall also state that in the event of non-payment at or before the time and at the place appointed, the Shares in respect of which such Call or other money may be payable, will be liable to be forfeited.

24. If the requisitions of any such notice as aforesaid be not complied with, any Share in respect of which such notice shall have been given, may at any time thereafter before payment of all Calls or other moneys, interest and expenses due in respect thereof shall have been made, be forfeited by a resolution of the Directors to that effect.

25. If any person becoming entitled to a Share in consequence of the death or bankruptcy of a Member, shall not during three months after being thereto required by notice from the Directors be registered or cause a nominee to be registered under Article 15, or if for six months after the death or bankruptcy of a Member no person shall be registered in respect of his Shares under Article 15, the Shares may be forfeited by a resolution of the Directors to that effect, together with all Dividends declared thereon since the death or bankruptcy of the late Member.

26. Any forfeited Shares shall be deemed to be the property of the Company, and may be sold, re-allotted or disposed of in such manner as the Directors shall think fit.

27. Any Member whose Shares have been forfeited, shall, notwithstanding, be liable to pay to the Company all Calls or other moneys and expenses owing upon or in respect of such Shares at the time of forfeiture, together with interest thereon.

28. A Certificate in writing under the seal of the Company and the hands of two Directors, and countersigned by the Secretary, that a Share has been duly forfeited, in pursuance of the regulations of the Company, or sold under Article 20, shall be conclusive evidence of such forfeiture or sale, as the case may be, and also in favour of the purchaser of its regularity and validity, so that the remedy of any person aggrieved shall be against the Company, and in damages only, and an entry of every such Certificate shall be made in the minutes of the proceedings of the Directors, and such Certificate and the receipt of the Company, for the price of such Share shall constitute a good title to such Share.

29. On any sale by the Directors of forfeited Shares, or of Shares sold under Article 20, the purchaser shall be registered as the Proprietor of the Shares, and shall receive a Certificate of such Proprietorship, under Article 7, and shall hold the Shares discharged from all Calls due prior to his purchase; and he shall not be bound to see to the application of the purchase-money.

30. The Directors may, at any time, before any Share so forfeited shall have been sold, realised, or otherwise disposed of, in their discretion, renew or annul the forfeiture thereof, upon payment of all moneys due to the Company from the late holder or holders of such Share, and all expenses incurred in relation to such forfeiture, or generally upon such terms as they shall deem fit.

#### GENERAL MEETINGS.

31. The first Ordinary General Meeting shall be held at such time, within four months after the incorporation of the Company, and at such place as the Directors may determine. The subsequent Ordinary General Meetings shall be held once, at least, in each year, at such time and place as the Directors may determine.

32. The Directors may, whenever they think fit, and they shall, upon a requisition made in writing, by five Members of the Company holding, in the aggregate, Shares to the nominal amount of £2,000 of the issued Capital for the time being of the Company, convene an Extraordinary General Meeting. The Director appointed by the said THOMAS ALVA EDISON, pursuant to Article 53, shall likewise have the power, whenever he thinks fit, to convene an Extraordinary General Meeting.

33. Any requisition made by the Members, or by the Director appointed by the

said THOMAS ALVA EDISON, shall express the object of the meeting proposed to be called, and shall be left at the Registered Office of the Company.

34. Upon receipt of such requisition, the Directors shall forthwith proceed to convene an Extraordinary General Meeting. If they do not proceed to convene the same within fourteen days from the date of the requisition, the requisitionists, or any other five Members holding the required amount of Shares, or the Director appointed by the said THOMAS ALVA EDISON, may themselves or himself convene an Extraordinary General Meeting; but no such requisition shall remain in force for more than two calendar months from the time when the same shall be deposited at the office.

35. The Directors' or Members (including the Director appointed by the said THOMAS ALVA EDISON) convening any meeting, shall give fourteen days' notice, at least, specifying the place, the day, and the hour of meeting, and, in case of special business, the general nature of such business to the Members, in manner hereinafter mentioned, or in such other manner (if any) as may be prescribed by the Company in General Meeting; but the non-receipt of such notice by, or the accidental omission to give any such notice to, any Member shall not invalidate the proceedings at any General Meeting. Whenever any meeting is adjourned for twenty-one days or more, at least five days' notice of the place and hour of meeting of such Adjourned Meeting shall be given in a like manner.

36. All business shall be deemed special that is transacted at an Extraordinary Meeting, as well as all business that is transacted at an Ordinary Meeting, with the exception of choosing a Chairman (if necessary), sanctioning a Dividend, electing Directors and Auditors, and other officers in the place of those retiring by rotation, and voting their remuneration, considering the accounts and the report of the Directors, and passing any resolution relating to or arising out of the subject matter of such report.

#### PROCEEDINGS AT GENERAL MEETINGS.

37. No business shall be transacted at any General Meeting, except the choice of a Chairman (if necessary), and the declaration of a Dividend, unless five Members shall be present in person or by proxy at the time when the meeting proceeds to such business.

38. If within half-an-hour from the time appointed for the [meeting, a quorum (as defined by the clause immediately preceding) be not present, the meeting, if

convened upon the requisition of Members or of the Director appointed by the said THOMAS ALVA EDISON, shall be dissolved. In any other case it shall stand adjourned to the same day in the next week, at the same time and place and if at such Adjourned Meeting a quorum be not present, it shall be adjourned *eing dia*.

39. The Chairman (if any) of the Board of Directors shall preside as Chairman at every General Meeting of the Company.

40. If there be no such Chairman, or if at any meeting he is not present within fifteen minutes after the time appointed for holding the meeting, or be unwilling to act, the Directors present shall choose one of their own number to act as Chairman, and that failing the Members present and entitled to vote shall appoint some one of their own number to be Chairman.

41. The Chairman may, with the consent of the meeting, adjourn any meeting from time to time and from place to place, but no business shall be transacted at any Adjourned Meeting other than the business left unfinished at the meeting from which the adjournment took place.

42. At any General Meeting, unless a poll is demanded by at least three of the Members holding in the aggregate ten Shares and present in person or by proxy and entitled to vote, or by the said THOMAS ALVA EDISON or his proxy, a declaration by the Chairman that a resolution has been carried and an entry to that effect in the Book of Proceedings of the Company, shall be sufficient evidence of the fact without proof of the number or proportion of votes recorded in favour of or against such resolution.

43. If a poll is demanded by three or more Members holding in the aggregate ten Shares, and present in person or by proxy, and entitled to vote, or by the said THOMAS ALVA EDISON or his proxy, it shall be taken in such manner and at such time and place as the Chairman directs, and the result of such poll, as declared by the Chairman, shall be conclusive, and shall be deemed to be the resolution of the Company in General Meeting.

44. Minutes shall be made in books provided for the purpose, of all resolutions and proceedings of General Meetings, and any such minutes if signed by any person purporting to be the Chairman of the meeting to which they relate, or by any other person present thereat, and appointed by the Board of Directors to sign the same in his place, shall be receivable as evidence of the facts therein stated, without further proof; but if such minutes were signed otherwise than by the Chairman of

the meeting to which they relate, they shall be read to the next succeeding General Meeting, and on being found or made correct shall be signed by the Chairman thereof.

#### VOTES OF MEMBERS.

45. The said THOMAS ALVA EDISON shall have in respect of the one Share to be allotted to him as provided in Clause 6 of the Agreement referred to in the Memorandum of Association, and so long as the payments contemplated by Clause 3 of that Agreement are payable, votes in person or by proxy equal to one half of the aggregate votes (or of the aggregate votes plus one, as the case may be) of the other Shareholders actually voting at such meeting.

46. Except as is provided by Article 45, every Member shall have one vote for every Share held by him. In case of an equality of votes, the Chairman shall, in addition to the votes to which he otherwise may be entitled, have a casting vote.

47. If two or more persons are jointly entitled to a Share or Shares, the Member whose name stands first in the Register of Members, as one of the holders of such Share or Shares, and no other, shall be entitled to vote in respect of the same.

48. If any Member is an infant, minor, married woman, not having her Shares registered in her own name under "The Married Woman's Property Act, 1870," lunatic, or person of unsound mind, he or she may attend General Meetings and vote by his or her guardian, tutor, husband, committee, or legal curator, or by any one of them, if more than one, such person having at least twenty-four hours before the time of holding such meeting, furnished to the Directors such evidence as they shall require of his title to represent such Member, unless the Directors shall have previously admitted his right to vote at such meeting in respect thereof, and Members attending General Meetings by such representatives shall be deemed personally present.

49. No Member shall be entitled to vote on any question at any General Meeting or upon a poll, or be reckoned in a quorum, whilst any Call or other sum shall be due and payable to the Company in respect of any of the Shares of such Member, and no Member shall be entitled to vote in respect of any Share that he has acquired by transfer, unless he has been registered as the owner of such Share in respect of which he claims to vote for at least one month previously to the time of holding the meeting at which he proposes to vote.

50. Votes may be given either personally or by proxy. No person shall be appointed a proxy who is not a Member of the Company and qualified to vote.

51. The instrument appointing a proxy shall be deposited at the Registered Office of the Company not less than twenty-four hours before the time for holding the meeting at which the person named in such instrument proposes to vote.

52. The instrument appointing a proxy, other than an instrument executed by the said THOMAS ALVA EDISON, shall be in the following form, with such variations as circumstances may require.

THE EDISON TELEPHONE COMPANY OF LONDON, LIMITED.

I, \_\_\_\_\_ of \_\_\_\_\_ being a Member of the EDISON TELEPHONE COMPANY OF LONDON, LIMITED, hereby appoint (being likewise a Member of the Company) as my proxy to vote for me and on my behalf as holder of Shares at the (Ordinary or Extraordinary as the case may be) General Meeting of the Company, to be held on the \_\_\_\_\_ day of \_\_\_\_\_ and at any adjournment thereof.

As witness my hand this \_\_\_\_\_ day of \_\_\_\_\_ 187 \_\_\_\_\_

DIRECTORS.

53. The said THOMAS ALVA EDISON shall, during the continuance of the patent rights referred to in the Agreement mentioned in the Memorandum of Association, nominate one Director who shall continue in office during his pleasure. The nomination shall be under the hand of the said THOMAS ALVA EDISON. Such Director may, by a power of attorney, appoint any other person to act as Director in his stead in case of his absence from the meetings of the Board of Directors or any Executive Committee, and the person so appointed shall, in case of such absence, have all the powers of the Director nominated by the said THOMAS ALVA EDISON. Every person nominated or acting as Director under this Article shall possess the qualification required for any other Director.

54. The qualification of a Director shall be the holding in his own right of registered Shares of the nominal amount of £500 in the Capital of the Company in respect of which all Calls for the time being due shall have been paid.

55. The number of Directors shall not be less than five, nor more than seven; but this clause shall be construed as being only directory, and the continuing Directors may act, notwithstanding any number of vacancies.

56. The first Directors shall be—

GEORGE EDWARD GOURAUD (nominated by the said THOMAS ALVA EDISON),  
The Right Honourable EDWARD PLEYDELL BOUVIERE,  
Viscount ANSON,  
WILLIAM FOWLER, and  
Sir PHILIP EDMOND WODEHOUSE, K.C.B.,

and they shall hold office until the First Ordinary Meeting in the year 1880, until which time the Directors for the time being may add any qualified Members to their number, so that there be not more than seven Directors in all at any time.

57. The remuneration of the Directors shall be £800 per annum, of which £300 shall be paid to the Chairman, and the remainder be divided between the Members of the Board in proportion to their attendances, or in such other mode as they shall determine; but for each year subsequent to the first year for which the books of the Company, are made up, the remuneration of the Directors shall be a sum equal to 10 per cent. on the excess above 10 per cent. of the net profits of the Company for the previous year, provided such sum shall not be less than £800, nor more than £4,500.

58. If any Director shall be called upon to go or reside abroad on the Company's business, or otherwise to perform extra services, the Board may arrange with such Director for such special remuneration for such services, either by way of salary, commission, or the payment of a stated sum of money, as they shall think fit.

POWERS OF DIRECTORS.

59. The business of the Company shall be managed by the Directors, who may exercise all such powers of the Company as are not by any Act of Parliament, or by these Articles, required to be exercised by the Company in General Meeting,

subject nevertheless to any regulations of these Articles to the provisions of any Act of Parliament, and to such regulations not being inconsistent with the aforesaid regulations or provisions, as may be prescribed by the Company in General Meeting; but no regulation made by the Company in General Meeting shall invalidate any prior act of the Directors which would have been valid if such regulation had not been made, and the generality of the powers hereby conferred upon the Directors shall not be limited by any subsequent clause or proviso conferring any express power.

60. In furtherance, and not in limitation of, and without prejudice to the general powers conferred or implied in the last preceding Article, and of the other powers conferred by these presents, the Directors may take such steps as they think fit to carry into effect the said Agreement mentioned in the Memorandum of Association, and they may pay the costs, charges, and expenses, preliminary and incidental to the formation, establishment, and registration of the Company.

61. They may also appoint, and at their discretion remove or suspend such Managers, Secretaries, Officers, Clerks, Agents, and Servants for permanent, temporary, or special services, as they may from time to time think fit, and may determine their duties, and fix their salaries or emoluments, and may require security in such instances, and to such amount as they think fit. But the Director appointed by the said THOMAS ALVA EDISON shall have an absolute right of veto upon the appointment of any person proposed as General Manager.

62. The Directors may act on behalf of the Company in all matters relating to bankrupts and insolvents.

63. The Directors may appoint any person or persons to accept and hold in trust for the Company any property belonging to the Company, or in which it is interested, and may execute and do all such deeds and things as may be requisite to vest the same in such person or persons.

64. The Directors may also refer any claims or demands by or against the Company to arbitration, and observe and perform the Award.

65. The Directors may also make and give receipts, releases, and other discharges for moneys payable by the Company, and for the claims and demands of the Company.

66. The Directors may invest any of the funds of the Company (not immediately required for the purposes thereof) upon such security, and in such manner as they may think fit, and they may from time to time vary or realize such investments.

67. The Directors may from time to time make, vary, and repeal bye-laws for the regulation of the business of the Company, its Officers and Servants, or the Members of the Company, or any section thereof.

68. The Directors may also enter into all such negotiations and contracts, and rescind and vary all such contracts, and execute and do all such acts and deeds and things, in the name and on behalf of the Company, as they may consider expedient for, or in relation to, any of the measures aforesaid or otherwise for the purposes of the Company.

69. The Directors may establish Branch Offices, Agencies, or Local Boards in the United Kingdom, or elsewhere, and may make such regulations for their management as they may from time to time think proper, and for that purpose may appoint such Local Directors, Managers, Agents, Officers, Clerks and Servants, with such remuneration and at such salaries as they may consider advisable, and may pay the expenses occasioned thereby out of the funds of the Company, and may from time to time discontinue all or any of such Branch Offices, Agencies, or Local Boards, and may remove or suspend all or any of the Local Directors, Managers, Agents, Officers, Clerks, or Servants for such reasons as they may think proper and advisable, and without assigning any cause.

70. The Directors may from time to time raise or borrow, for the purposes of the Company, such sums of money as they may think proper.

71. All money borrowed for the purposes of the Company may be raised by a mortgage of the whole or any part of the Company's Capital, whether called up or not, or other property, or by Debentures, or upon such other security and upon such terms as the Directors may think fit.

72. The Directors may by such signature or signatures of any one or more of their number as may be fixed from time to time by resolution of the Board, with the counter signature of the Secretary of the Company, draw, accept, make, and endorse Bills of Exchange and Promissory Notes on behalf and for the purposes of the Company, and also execute under the seal of the Company, and issue Debenture Bonds or other obligations. Every instrument to which the seal of the Company shall



be affixed shall be signed by two Directors, and be countersigned by the Secretary or other Officer appointed by the Board.

73. The Directors may purchase for Shares or such other consideration as they may think fit, and upon any terms the business, goodwill and property, or either of them, or any part thereof respectively, of any Company (whether in liquidation or not), or other person or persons whatsoever carrying on any business comprised in the objects of the Company, and under the authority of an Extraordinary Resolution may sell to any Company carrying on or formed for carrying on the like businesses, or any or either of them, for Shares therein to be distributed among the Members, or otherwise the business, estate, and effects of the Company, and shall have power to do all such things as may be necessary for carrying any such sale or transaction as aforesaid into effect, and in case any contract entered into by the Directors for such purposes as aforesaid involves the dissolution of the Company, the Company shall thereupon be dissolved.

74. The Company shall have power to use official Common Seals under "The Companies' Seals Act, 1894," in such foreign countries as the Directors shall determine, and the Directors shall have power to appoint any Agents, or Agent Committees, or Committee abroad to be duly authorised agents of the Company for the purpose of affixing and using such Foreign Common Seals, and they may impose such restrictions on the use thereof as they shall think fit.

#### DISQUALIFICATION OF DIRECTORS.

75. The office of a Director shall be vacated :—

(1) If he ceases to hold the due qualification or if his removal be decided upon by a resolution of an Extraordinary General Meeting.

(2) If he becomes of unsound mind or bankrupt, or suspends payment or files a petition for the liquidation of his affairs, or compounds with his creditors, or is convicted of a misdemeanor or felony.

(3) If he shall send in his resignation in writing to the Directors, and the same shall be accepted by the Board, or be not withdrawn for the space of fourteen days.

76. All acts done at any meeting of the Directors or of a Committee of Directors, or by any person acting as a Director shall be valid, notwithstanding that it be afterwards discovered that there was some disqualification or defect in the appointment of any Directors, or of any person or persons acting as aforesaid, or that they or any of them were disqualified.

#### ROTATION OF DIRECTORS.

77. At the Ordinary Meeting to be held in the year 1880, and at the Ordinary Meeting in every subsequent year, one third of the Directors for the time being or the nearest number to one third shall retire from office, but in making this calculation the Director appointed by the said THOMAS ALVA EDISON shall not be reckoned.

78. The one third or other nearest number of such Directors as aforesaid to retire in any year shall always be those who have been longest in office, and in case of equality in that respect they shall, unless the Directors agree among themselves, be determined by lot. A retiring Director may be re-elected.

79. The Company may, by a resolution of an Extraordinary General Meeting, remove any Director (other than the Director appointed by the said THOMAS ALVA EDISON, who shall be removed solely by the said THOMAS ALVA EDISON) before the expiration of his term of office, and may by an ordinary resolution appoint another person in his stead. The person so appointed shall hold office only for so long as the Director removed would, except for such resolution, have held the same.

80. The Company at the General Meeting at which any such Directors as aforesaid retire in manner aforesaid, shall fill up the vacated offices by electing a like number of persons, unless it be necessary to elect more or fewer, in order to give effect to a resolution for altering the number of Directors.

81. If at any meeting at which an election of Directors ought to take place as aforesaid, the places of the retiring Directors are not filled up, the meeting shall stand adjourned till the same day in the next week, at the same time and place, and if at any such Adjourned Meeting, the places of such retiring Directors are not filled up, such retiring Directors or such of them as have not had their places filled up, shall continue in office until the Ordinary Meeting in the next year, and so on from time to time until their places are filled up, unless it shall be determined at such meeting to reduce the number of Directors.

82. The Company may from time to time in General Meeting increase or reduce the number of Directors.

83. Any casual vacancy occurring in the Board of Directors may be filled up by the Directors, but any person so chosen shall retain his office so long only as the vacating Director would have retained the same, if no vacancy had occurred.

#### PROCEEDINGS OF DIRECTORS.

84. The Directors may meet together for the dispatch of business, adjourn and otherwise regulate their meetings as they think fit, and determine the quorum necessary for the transaction of business by both Boards and Committees. Until otherwise fixed the quorum for a Board Meeting shall be three Directors.

85. Questions arising at any Meeting of the Directors shall be decided by a majority of votes. In case of an equality of votes the Chairman of such Meeting shall have a second or casting vote.

86. A Director may at any time summon a Meeting of the Directors.

87. The Directors may elect a Chairman of their Meetings and determine the period for which he is to hold office, but if no Chairman be elected, or if at any Meeting the Chairman of the Company be not present at the time appointed for holding the same, the Directors present shall choose some one of their number to be Chairman of such meeting.

88. The Directors may delegate any of their powers to Committees, consisting of the Director appointed by the said THOMAS ALVA EDISON (who shall be a member of every such Committee), and such other members of their body as they think fit. Any Committee so formed, shall in the exercise of the powers so delegated, conform to any regulations that may be imposed on it by the Directors.

89. A Committee may elect a Chairman of their Meetings. If no such Chairman be elected, or if he is not present at the time appointed for holding the same, the Members present shall choose one of their number present to be Chairman of such meeting.

90. A Committee may, subject to any regulation made by the Board, meet and adjourn as they may think proper. Questions at any meeting shall be determined

by a majority of votes of the Members present, and in case of an equal division of votes, the Chairman shall have a casting vote.

91. The Directors shall keep an attendance book, in which each Director present at any meeting of Directors or Committee of Directors shall sign his name.

92. The Directors shall cause minutes to be made in books provided for the purpose:—

(1.) Of all appointments of Officers made by the Directors, and of their salary and remuneration.

(2.) Of all orders made by the Directors, or by Committees of Directors, and

(3.) Of all resolutions and proceedings of General Meetings, and of Meetings of the Directors and Committees of Directors.

And any such minute as aforesaid, if signed by any person purporting to be the Chairman of such meeting, or by the Chairman of the next succeeding meeting, shall be receivable in evidence without any further proof.

93. The Common Seal of the Company shall be kept by the Secretary at the Company's Registered Office, and shall be under the sole control of the Directors, and shall be employed only in pursuance of a resolution of the Board of Directors.

#### DIVIDENDS, RESERVE FUND, &c.

94. No Dividend shall be payable except out of the balance standing to the credit of profit and loss at the end of the year in respect of which it is declared, or in excess of the amount from time to time recommended by the Board of Directors.

95. The Directors may of their own authority, but only out of what they deem to be the profits arising from the business of the Company from time to time pay to the Members a sum on account of Dividend at such rate as they shall think fit.

96. The Directors may in priority to any Dividend set aside out of the profits of the Company such sums as they think proper for bad debts or losses, or for the

depreciation, repairing or maintaining of any of the property of the Company, or meeting any other contingencies or purposes of the Company, and may apply the same accordingly, and in the meantime may invest any sums so set aside in or on such securities as they may select other than the Shares of the Company.

97. The Directors may deduct from the Dividends payable to any Member all such sums of money as may be due from him to the Company on account of Calls or otherwise.

98. Notice of any Dividends that may have been declared or be payable shall be given to each Member in manner hereinafter mentioned; and no Dividend shall bear interest as against the Company.

#### ACCOUNTS.

99. The Directors shall cause true accounts to be kept of the Company's business and transactions and of all sums of money received and expended by the Company and the matters in respect of which such receipt and expenditure take place, and of the credits, assets, and liabilities of the Company. In ascertaining the balance of the Profit and Loss Account for the purposes of the said Agreement, or of any division of profits, the said account shall be debited with all expenses and outgoings chargeable in respect of the period over which such account extends, whether they have been actually paid or exist only as liabilities of the Company, as well as with a proper amount in respect of depreciation; and shall be credited with all earnings and income accrued within the said period. The whole of any premium for a license extending over a term shall be treated as income of the year in which it is received, but no credit shall be taken for the prospective value of any rent or royalty.

100. A statement of the Company's financial position shall be laid before every Ordinary General Meeting to be held after the year 1879, made up to a date not more than three months before such meeting.

#### AUDIT.

101. Once in every year, namely, preparatory to each Ordinary General Meeting, the accounts of the Company shall be examined, and the correctness of the Financial Statement ascertained by one or more Auditor or Auditors.

102. The Director appointed by the said THOMAS ALVA EDISON shall have the right of nominating the sole Auditor, or one of the Auditors, as the case may

be. Subject to this provision the first Auditor or Auditors shall be appointed by the Directors, and subsequent Auditors shall be from time to time annually appointed by the Company in General Meeting.

103. The Auditors need not, but may be Members of the Company; and no Director or other Officer of the Company shall be eligible during his continuance in office.

104. The remuneration of the Auditors (whether nominated by the Director appointed by the said THOMAS ALVA EDISON or not) shall be fixed by the Directors.

105. Any Auditor shall be re-eligible on his quitting office.

106. If any casual vacancy occurs in the office of Auditor, other than one nominated by the Director appointed by the said THOMAS ALVA EDISON, the Directors shall forthwith fill up the same.

107. In case at any time there shall be a total failure of Auditors appointed in manner aforesaid, and no Extraordinary General Meeting shall have been called during one week for the purpose of supplying such failure, the Board of Trade may on the application of not less than five Members of the Company appoint any Auditor for the current year, and fix the remuneration to be paid to him by the Company for his services.

108. Every Auditor shall be supplied with a copy of the Financial Statement, and it shall be his duty to examine the same with the accounts and vouchers relating thereto.

109. Every Auditor shall have a list delivered to him of all books kept by the Company, and shall at all reasonable times have access to the books and accounts of the Company.

110. The Auditors shall report to the Members upon the Financial Statement, and they may give such information to the Members on the state of the Company's affairs as they may think fit.

#### NOTICES.

111. A notice may be served by the Company upon any Member, either personally or by sending it through the post in a prepaid letter, addressed to such Member at his registered place of abode.

112. All notices directed to be given to the Members shall with respect to any Share to which persons are jointly entitled, be given to whichever of such persons is named first in the Register of Members, and notice so given shall be sufficient notice to all the holders of such Share.

113. Any notice if served by post shall be deemed to have been served on the day following that on which the letter containing the same was posted, and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put in the Post Office.

114. Any Member residing out of the United Kingdom may name an address within the United Kingdom at which all notices shall be served upon him, and all notices served at such address shall be deemed to be well served. If he shall not have named such an address he shall not be entitled to any notices.

#### AGREEMENT.

115. The Company ratifies and adopts the Agreements mentioned in the Memorandum of Association, and the Directors shall forthwith do all acts necessary for carrying the same into full effect, subject to any modifications in either or both of them which may be agreed upon between the Board and the said THOMAS ALVA EDISON.

#### INTERPRETATION CLAUSE.

116. In the interpretation of these Articles the following words and expressions shall have the following meanings, unless excluded by the subject or context:—

"Month" shall mean calendar month.

Words importing the singular number only shall include the plural.

Words importing the plural number only shall include the singular.

Words importing the masculine gender shall include the feminine.

The word "Bankruptcy" shall include liquidation by arrangement under "The Bankruptcy Act, 1869."

#### NAMES, ADDRESSES, AND DESCRIPTIONS OF SUBSCRIBERS.

EDWARD FLEYDELL BOUVENIE, P.C., 44, Wilton Crescent, S.W.

SEPTIMUS RICHARD SCOTT, 75, Old Broad Street, E.C., Stockbroker.

WALTER CAMPBELL, 18, Old Broad Street, E.C., Stockbroker.

JOHN LUBBROCK, 15, Lombard Street, E.C., Banker.

GEORGE RICHARDSON, 3, Lombard Court, Lombard Street, E.C., Iron Merchant.

ALFRED HOWELL, 30, Eastcheap, E.C., Merchant.

GEORGE E. GOURAUD, 6, Lombard Street, E.C., Director of the Mercantile Trust Company, New York, U.S.A.

Dated the 2nd day of August, 1879.

Witness to the above Signatures,

RICHARD HARRISON, Solicitor,

Clerk to Messrs. Waterhouse & Winterbotham,

1, New Court, Lincoln's Inn, W.C.,

Solicitors.

6 Lombard Street E.C.

London, 27<sup>th</sup> August 1879

Thos Alva Edison Esq  
Menlo Park

New Jersey U.S.A

My Dear Edison

I confirm receipt of following cable  
"Shipped today 400 telephones & that simply  
perfect. Telegraph through Drexels seven  
thousand five hundred for 500. Delay  
money delays telephones. Manufactured  
requires advance and instant payment  
delivered"

I at once cabled Drexels to open good  
a credit for \$8000 which amount, it is  
understood, is to be used on account of the  
telephones ordered for the London Company. Please  
send vouchers pretty full as they will have  
to go before the Auditors of the Company

Yours truly  
Geo E. Hogrand

London Eng Aug 5/79.

My Dear Edison

The Transmitters on the Iron Telephone  
are no good - they are barely as  
loud as the Magneto - The old Trans-  
mitters - Brass face - with Coils - which  
I find here are far superior -  
This is a matter of the utmost  
importance - I presume it will be  
settled by your new Transmitter  
but in any event I want no more  
of the present sort. There is not  
margin enough to work on - The  
old ones will make a chalk talk  
out strong after these cease to have  
any effect. I have written to Bergmann  
- that under no Circumstances whatever  
must he depart one iota from  
the model furnished by you in  
the construction of the new Telephone  
& I hope you will personally  
or through Batch - visit the Spring  
man whilst at work on them  
so as to interrupt any deviation  
while it is yet time.

Yours faithfully

E. Johnson

London Eng Aug 27/99

My Dr Edison

This morning on my arrival at the office I find every Phosphate utterly dumb, & all alike decline to be resurrected no matter what the treatment. I take up an Old Caustic Soda - and it goes off top top at the very first touch - although it was one that worked 9 days without a drop of moisture - I take a new Phosphate put it in - wet it a trifle with a half dilute solution and get the most perfect talking I ever heard. If you can make that stand - or rather if you have done so - the end of all other Telephones is reached. It is simply magnificent - Is it possible that the fine polish had from Phosphate - forms an impenetrable scale - which soon ceases to have any virtue & cannot be again endowed. The Caustic which I put in this am with such success has barely any polish - much it not wear away a skin - in order to reach new material? I am puzzled - & with

absolutely no means at hand for  
trying experiments -

The new telephones you write  
about have arrived and will  
be delivered tomorrow - I am  
praying that they will work OK  
without my having to wet them  
In which case I have no doubt  
they will continue to work for  
months - You can bet your life  
if there is any possibility of  
their doing so I'll get it out  
of them before I resort to  
my Chemical Pot.

Truly Yours

E. Johnson

Johnson Aug  
14-19  
None of any of  
course this  
Batch



London Aug 12<sup>th</sup> 1879.

Thos A Edison Esq  
Electrician & Fri:

I am requested by the Manager  
of the Company to transmit to  
you the enclosed Clipping from  
the Aug No of Ecobners Monthly  
and ask your opinion of the  
practicability of the thing therein  
described and also as to its  
trespassing upon your Electro  
Motograph Patents. An early  
report is respectfully solicited

Yours Truly, E.H. Johnson  
Ch. Eng<sup>r</sup>

<sup>1<sup>st</sup></sup> place sent Wk Well - Charly E  
Exptd on its 6 or 8 mos ago

M.B. (Unofficial)

I have given mine  
E.H.J.

Whose Idea is it anyway

I hear a rumor here that Bell  
Patent is about to be sent to the  
4 winds by the Courts by reason

No Publications made  
before Patent was  
granted  
G.H.

1 Aug 18 79  
12<sup>00</sup> P.M.

Edison  
Menlo Park

Rush 500 Telephones  
model your discretion  
White

9 London  
mag

2

Aug 18 79

Menlo Park London

Are rushing tell Johnson  
ten new model working  
at Gold and Stock

14 Menlo Park  
aug 20

7<sup>00</sup> P.M.  
-9/1/79

The Edison Telephone Company of London, Limited,  
Messieurs Messrs Chambers,  
41, Queen Victoria Street, E.C.

London Aug. 18. 1879

Sir,

I beg leave to confirm telegram just sent you as follows - "Rush 500 telephones model your discretion" - The company now having been registered and a staff of employes engaged - It is felt very strongly by those interested that it should be placed in a position to satisfy the public demand for adequate Telephonic Communication

I am accordingly instructed to

J. A. Edison Esq  
Mentle Park  
New Jersey  
U. S. A.

request that you will supply with all reasonable speed 500 Telephones the model to remain a matter for your discretion - I am anxious to see the company with at least 300 or four hundred instruments least before the end of the year as with heavy outgoings the shareholders are naturally desirous to see the goods result for their expenditure.

I am Sir

Your Obedient Servant

Amos White  
Secretary & Manager

on "have had the 500 telephones made in parts at diff shops - just getting them together will make shipment next week & probably continue

London aug 1879.  
My Dear Edison - Mr. Batch.

Allowing one week to pass - with a  
Saturday & Sunday of non-use to  
intervene, I now write to tell you  
the result - as to the 1c you have  
lately sent me -

They hold out well - Not loud - nor  
brilliant like the Old Style when  
new and at their highest point of  
efficiency - but a good solid dog trot  
style. I always ready to go - and  
always capable of being superstitious  
by any chance passerby.

There is the 1<sup>st</sup> report I have been  
able to send you of satisfactory  
work - for the simple reason that  
these are the 1<sup>st</sup> Instruments I  
have had which would stand  
over from Saturday night till Monday  
morning and then "Speak when they  
were spoken to" - I have managed  
to keep a pair of the Old Style an  
week through thick & thin for the  
purpose of showing to friends  
& Directors of the Company -  
Saturday night I left a pair of  
them in the best condition any of  
us ever heard them - Clear loud  
and articulate Every action perfect

2 This - Monday morning - they were  
as Dumb as the proverbial Oxen  
While their Medical Companions  
were there all right, Medicoes still,  
but "Ready for business".  
Up to this time I have chiefly sought  
to delay matters - or rather have not  
sought to Push them - in order to give  
you time. Now I am ready to Push -  
and have so notified Cleveland and  
White. You were therefore Telegraphed  
today to Push the 500 - and the  
words "Model your own discretion"  
were added - because of the discussion  
between me & White as to the advantage  
of this over the Old style. He slowly  
takes to the new model for the simple  
reason that he is not aware of  
the obstacles in the way of the practical  
application of the old one - and I  
do not explain because we do not  
wish to cast a doubt upon the  
practicability of this - by confessing  
that its immediate predecessor was  
not - I told them I had written you  
giving the impressions produced  
upon the various parties in interest  
by the new model. We therefore  
feared you might hesitate to  
go in for 500 without further Parley  
I told them that these things could  
be safely left to you - as you had  
the amplest knowledge of what  
was requisite from your experience

<sup>3</sup> in applying the Telephone to the wants  
of the thousands of Customers of the  
Western Union - Hence the work  
in the cablegrams —

Now Batch writes me - you are fitting  
a new lot - aug 4 - & that they are  
"Dauphin" - of course every new  
lot will improve - as did the  
Carbon - so I am now only  
exercised as to how fast they can  
be had.

The Transmitters are decidedly better  
than the "Blake" - but they occasionally  
require re-adjustment I think you  
can - if you have not already -

Suomonut that - I think a longer  
spring would be an improvement  
as the mere touch of the screw  
in this - one way or the other will  
make it either too low - or Microphony

Please advise me as to what you  
intend doing in re. to the Lathe & Tool.

If you are not going to send them  
I'll get the best I can here - I  
must start a little shop of my own  
somewhere for repairs - a good  
many of the earlier ones were  
broken - but none of these new kind

My idea is to hire a good Instrument  
maker & keep him on repairs  
making new odds & ends Tools &c

4. What have you done about the  
Five Hundred for which Garrison  
cabled you the money? Did you  
give the contract to Bergmann?  
Don't forget that I have an interest  
in that little Dutchman which  
you promised to keep alive by  
throwing this into his lap - & keeping  
up his W.C. order -  
I hear that Garrett Smith has  
gone over to the Crazy outfit.  
Isn't that a mistake? Don't they  
mean Jay Goulds Co. - or have the  
Two Consolidated.

I read an interesting article in  
the N.Y. Sun on your Electric Light  
I presume it will be copied over  
here. If it is I shall take the Liberty  
of going for it. I am informed its  
author is "J. B. Prescott" - probably  
his Tool-ashley? -

You recall the little squib about  
our Co in the journal of the  
Telegraph? - Col G has asked me  
to write a note to the Editor denying  
the soft impeachment wherein I am  
made to appear as your representative  
of course I told him I should  
be happy to do so.

Batch -  
I'll present your letter in a few  
days - am going down to Manchester

With Col. G. & will take no little  
Pleasure in going to see those  
famous "Spindles". & shall alone  
my and see the Old Falls -  
The Boys tempted me to go down  
to Brighton on Saturday & stay till  
this Ave which I did taking Wife  
& Edna along - Had a splendid  
day - Like the town immense - but  
it's no bathing place - The Beach  
is nowhere by the side of any  
famous place - In fact we miss  
the American "immensity" everywhere.  
As for the Girls - I haven't seen  
a pretty one yet.

Oh by the way Old man (Edison) - I  
was down to the Silverton works -  
Went all through the Cable Dept -  
They were running out a 600 mile  
Cable - It's a Big Thing - that  
Establishment - I saw fish and  
thing there I should liked to  
have bought for you - if I get  
rich out of this Telephone I will  
- It was a 200 mile artificial  
Cable gotten up thus



Resistances

Condenser

{ the whole thing  
is a neat Mahogany  
Case about 2 feet  
wide & 4 feet high



6/ The Condensers are not quite as large  
as this sheet of paper and about  
1/2 inch thick Case valve - They slide  
in on little shelves - like tiny little  
drawers - It is so compact & ornamental  
that it would make a handsome  
addition to your Laboratory -  
Speaking of Cables - E. Brown gave  
me a cable today - I was very busy  
and didn't cheer him much - but I  
mean to see more of him and learn  
something of automatic affairs -  
What about my Photographs - I learn  
that Giraud has also written to you  
for some - but he don't expect to pay  
I do - You send me a number &  
the bill & I'll pay it - then if he wants  
any I'll sell em to him. I should  
like to have a thoroughly good  
one of Mrs Edison too - as frequent  
inquiry is made concerning her -  
& since you have such a presentable  
wife I should like to be able to  
point to her - I'll hang it with yours  
in the very nobby office they have  
provided for me - Which of 'em by the  
Way Oh, afraid won't see much  
of me - as it is not what I wanted  
that, is one <sup>on</sup> the Top Floor - and was  
the result of a special requisition  
No Mahogany furniture adorns it -  
It's mostly furnished with White Pine  
Packing Boxes from Menlo Park

7/ and assorted Telephones - Tools  
Etc. - I made them buy me a  
Wheatstone Bridge & Galvanometer  
Am going to test all my wires &c - &  
Keep a record of them as they do  
everywhere here now - frequent Bad  
joints troublesome - Charley Edison  
took the ones Adams left here -

See the scourging poor old Reid gets  
in the Journal - on his Tools - Note  
also the connection of the names  
of Edison - Regards to all

Truly Yours

E. Johnson  
Engr

[FROM GEORGE E. GOURAUD?]

8/20/79

3

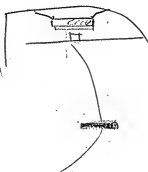
Aug 20 79  
2 30

NY 202

Edison ms

Alleged agreement fraudulently obtained.  
Company immediately informed you are  
thoroughly protected your ~~stock~~ Hence  
letter right stop there

19<sup>th</sup> London  
Direct  
Bx 9



42 20  
64

$$\begin{array}{r} 42 \\ 18 \\ \hline 336 \\ 42 \\ \hline 756 \end{array}$$

$$\begin{array}{r} 42 \\ 20 \\ \hline 8.40 \\ 500 \\ \hline 420,000 \end{array}$$

6, Lombard Street, E.C.  
London, 26<sup>th</sup> Aug 1879

T. A. Edison

Mendo Park

New Jersey U.S.A.

Dear Sir

Colonel Gouraud  
has requested me to forward  
you the enclosed cuttings from  
the "Times & Standard" together  
with copy of Mr. Whiters  
letter in the Post Office

Yours truly  
Saml Ince

Aug 23 79

To the Directors

The Telephone Company Limited

Coleman Street &c.

Gentlemen

The Board of Directors of this Company have been credibly informed that a number of Carbon Telephones bearing the name of the "Blake" Transmitter has been imported, and sent on sale by you to certain parties in the City of London of whose names they are in possession.

I am instructed by the Board to call your attention to the fact that the use of this form of transmitting instrument is a direct — infringement of this Company's Patents No 2909 of 1877 and 2396 of 1878 and to express the hope therefore that you will take immediate steps to discontinue this use; and that you will refrain from acts — which may impose on this Company the necessity to protect their rights as owners of the "Carbon Transmitter".

I am, Gentlemen

Yours Obedient Servant

Secretary & Manager



Glasgow Scotland  
Aug 28/79 -

My Dr Edison

Everything went off O.K. at Sheffield  
In spite of the fact that we were  
there at the 11<sup>th</sup> hour and had to  
take a back seat, & also of the  
fact that the Bell Co have a local  
Co started in Sheffield which was  
there in force & making a great display  
in a much more advantageous  
position. We made the sensation  
of the evening. My back room  
was one dense mass of people  
from 7.30 to 1.0 am, I made more  
than 4000 explanations - about  
you & your damned old machine  
You talk about your not being  
popular - why its the prize of  
the Scientific Britain that believe  
you - The real Boston crowd  
as assembled at the Fairs on  
Tuesday night to the tune of  
1500 - with their ladies & friends  
making up wards of 3000 people  
- found nothing to delight  
them more than listening to  
your telephones - and to what



I had to say about you - I  
now & then detected a Black  
sheep - when I happened to be  
at given heat on some point  
- but they were few - and I  
think saw clearly in would  
not pay them officially in the  
crowd at all events - to show the  
Teeth - Mark Firth the biggest  
Gum in town - the man who  
entertains the Prince of Wales  
at his Private Mansion - or Palace  
and who presented the town with  
the magnificent Buildings in  
which the R.A. held their sessions  
- personally known & favored  
for years - was so deeply interested  
in the thing - that he made  
Gouraud promise to give him  
a chance to Organize a Co for  
Sheffield - and even went so far  
as to ask G. to fix an early day  
to meet his solicitors to determine  
upon the plan of Organization  
If nothing Else comes of it. It  
looks as if a little royalty  
would come out of Sheffield

any way - The Chairman of  
Our Co. is a Brick - He is going  
for the Bell Gales tooth foot  
nail - I reported no Transmitters  
at Sheffield except such as are  
fully covered by Edison's Patents  
Today I learn that the London  
& Manchester papers contain an  
official announcement of that  
fact & a warning to all hants  
to keep off "their these grounds"  
I have not seen it - but I do no  
doubt its strongly put - as they  
are going for an injunction in  
other way, in a manner which  
delights my American heart.

Now I am in the Finest City  
I have yet seen - it is simply  
magnificent - I only arrived late  
last night - and have today  
paid for Wm. Thomsons Laboratory  
to install a visit - (I expect him  
up from his Country seat tomorrow)  
and fitted up 3 Telephone stations  
One Central Station (my London Board  
No 2 - hurry some more) - & showed  
the thing in operation as in  
America (that is the "Card") - tomorrow  
I show it to the Press -  
tomorrow night I hurry back  
to London & go in bed in  
at the lovely - By the By - M.

has not yet fixed that 50¢  
matter. He acts very much as  
if he wanted to evade putting  
his signature to anything.  
The Salary matter having  
been entirely assumed by the  
Co - that is no longer of any moment  
- but the 50¢ comes from him  
- you - & it is not fair in him to  
leave it open this way - I look  
to you to ask him the simple  
question - Whether he has signed  
the Johnson Contract with you?  
Please do so -

The last instruments we have  
cut good - Apparently I am  
to have no more trouble with  
the Chalks - It is still very  
difficult however to get good  
results from the Transmitters  
without either an adjustment  
too loose - or if tight - by having  
to speak too close in - in one or  
two - I get splendid results but  
in others utterly fail to do so  
well - after protracted trials  
these are however things which  
I suppose will wear off - at all  
events we are in business shape  
Hastily Yours E. H. Johnson

Did you send the 25<sup>th</sup> to  
my Father? If so let me  
know & I will remit  
you - or pay to your order on  
your ac<sup>t</sup> - I have reason  
to think if you did - it  
was not received Please  
advise me at once  
& Oblige

E. J.

Glasgow  
no ans

Glasgow - 2 Sept 78 29

Dear Edison

Gen Johnson  
 Making Cable &  
 Rand - that firm  
 immediately & they  
 promise to put  
 the stuff at once.

The fellow, one of  
 the firm is a share-  
 holder in the London  
 Tel. Co.

I am down here

following up Edg  
 as bit-coin of the 1st  
 to Glasgow from at  
 wh. I send you  
 paper.

By the way I don't  
 think I have told  
 you that I have  
 turned over to the  
 Ld. Co. the Hilary  
 part of our report  
 with Edg. & you  
 will be packed by  
 that way about  
 \$250 a month.

The Bill is an instalment  
a sort of a plan  
about exchange. but  
we are purchasing things  
as much as possible  
with our limited  
No of instalments.

I hope you are  
getting on with the  
500 satisfactorily -  
Don't pay it that  
the 6 month option  
to the Co. involving  
possible £40,000

More advance local  
data from the <sup>Refining</sup> ~~Refining~~  
line of the 500  
Telephone - and  
besides if that many  
are required for  
London immediate  
want they will not  
fulfill them. I shall

take any away for  
the first company  
So let us have  
another 100 at  
least as soon  
as you can  
Wm. 1884

6, Lombard Street, E.C.  
London E.C. 4 15 Sept 1879

Thos. W. Edmon

Monte Park

New Jersey

My Dear Sir

I enclose cuttings from  
Glasgow Papers referring to  
exhibitions of Kellogg's there on  
29<sup>th</sup> ult.

Yours truly  
Geo. L. Coareau  
S.E.

# THE EDISON TELEPHONE COMPANY OF LONDON, LIMITED.

11, QUEEN VICTORIA STREET, E.C.,

LONDON, September 4th, 1879.

To

THE DIRECTORS OF

*The Edison Telephone Company of London, Limited.*

GENTLEMEN,

In regard to the controversy which seems imminent as to the rights of the two Telephone Companies now bidding for public patronage in England, it seems fitting that you should be put in possession of a review of the Telephone developments made in the United States since the original discovery.

Having had upwards of twenty years' experience in the operation and practical development of the various systems and apparatus by which the science of Telegraphy has been, in that time so materially advanced; I was fully prepared to accept the Telephone and to keep pace with its development, appreciative and understandingly; add, to this professional incentive to close observation, the fact that I have been mainly occupied during the past two years in the public exposition of the various stages of Telephonic progress and have had by reason of such occupation the benefit of a more or less intimate association with, and personal knowledge of the work of the contributors thereto; and my apology for venturing to draw the distinguishing line between their respective contributions and the merits thereof, is made.

## THE MAGNETO-TELEPHONE.

This invention was the first by which articulate speech was successfully transmitted over or through a wire by electricity, and was the work of Professor Alexander Graham Bell, of Boston, Mass., to whom therefore is due the credit of original inventor. It was exhibited by him in its crude form at the American Centennial Exhibition in Philadelphia, in June 1876, at which exhibition I had the honor of assisting.

The principle of this invention is the same as that involved in the now well known Dynamo Electric Machines by which electricity for electric lighting and other purposes is generated. The *modus operandi* as far as possible stripped of technicalities is briefly this: a bar of steel being permanently charged with magnetism, is enclosed in a hollow spool of insulated wire, from the extremities of this magnet the magnetic force radiates in every direction; this radius is termed the magnetic field or field of magnetic force. A piece of iron brought within this field will receive a portion of its magnetism, and, since it contributed none, becomes practically an addendum to the original magnet, thus causing a shifting or redistribution of the magnetic force; the withdrawal of the iron permits the magnetic field to assume its first position. We have therefore two movements which for brevity's sake we will term "disturbances," one on the approach of the foreign body and one on its recession, the violence of these disturbances is in the exact ratio of the celerity of the movement of the disturbing body.

It being unnecessary for the purpose of this article to explain the precise relation this disturbance of the magnetic field bears to the creation of currents of electricity in the spool of insulated wire, the fact will be assumed. It is important however to point the fact that the strength of the electrical currents in the surrounding spool so generated is in direct proportion to the degree or violence of the disturbance of the magnetism of the steel core.

In the powerful machines used for generating the large quantities of electricity requisite for producing light, power, &c., the maximum disturbance is obtained by rotating the iron in the magnetic field with great force and speed by the aid of steam power, the strength of the current produced increasing or diminishing with the variation of the speed of the steam engine.

In the small Magneto Machine of Professor Bell the weak currents used for the purpose of transmitting and re-producing the voice are generated by causing a thin Iron plate to alternately approach and recede from the end of the Magnet, the power used being the vibratory power of the human voice.

It is obvious therefore that the strength of the currents thus created must bear the same relation to the strength of the currents created in the Electric Light Machines, as the mechanical power of the human voice does to that of the Steam Engine, with this important difference however, that while the power of the Steam Engine may be indefinitely increased, the power of the human voice has an absolute fixed limit.

Now as the effect produced by these currents of Electricity is in direct proportion to their strength, it follows that if in the first case the speed of the Steam Engine is increased, the quantity of Electricity is increased, and the speed or working power of the machine being operated by it is proportionately increased.

So in the second case. If the voice is raised, as for instance by the sounding of a note of high pitch, the vibration of the metal plate is increased, the disturbance of the Magnetism is more violent, the Electric Currents are stronger, and the effect upon the apparatus at the distant end proportionately increased.

For the better understanding of the effect produced by the electric currents which are thus created, I will say that all forms of Electrical Generators are Electrical Motors as well, that is to say the same form of an apparatus which when driven by a power outside of itself will create currents of electricity, will when those same electrical currents are passed through it, receive them as a source of energy and become itself a motive power. Thus in the Telephone the thin Iron Disc which at one end is made to vibrate by the human voice, is at the other alternately attracted and repelled by the currents put in circulation by the first, thereby assuming a vibration as it were automatically, and in synchronism with the first.

It is clear therefore, that, inasmuch as in a Magneto Telephone in which the magnet is thoroughly well charged the only direction in which we can look for an increase in the efficiency is that of increasing the force of the voice of the speaker; that being the human voice, it appears tolerably certain to an unprejudiced mind that the maximum effectiveness of the Magneto-Telephone has been reached, and we must look elsewhere for a substantial advance.



It is not necessary to point out the fact that the effectiveness of this beautiful apparatus of Professor Bell's is sufficient for the practical purposes of commerce. The parties desirous of the Patent have admitted this by the adoption of one of the numerous forms of Battery Transmitters presently to be described, precisely as I predicted in a Public Lecture given in Saratoga, New York, in the summer of 1877, at which time my prediction was well-echoed by the Electricians—so called—who were their prophesying a great future for that particular form of apparatus.

The Western Union Telegraph Company alone have expended many thousands of dollars, and had in employ an army of minor inventors, not to speak of the vast aggregate of individual effort which has been made through out the world, in the vain endeavour to give to this apparatus a power materially greater than it possessed when first it came from the hands of Professor Bell. Thus began, and thus ended the work of this inventor.

### THE CARBON TRANSMITTER.

The late Hon. William Orin, then President of the Western Union Telegraph Company, early in the year 1874, foreseeing that the science of Telegraphy was entering upon an era of rapid advancement in the United States, called upon Mr. Thomas A. Edison, who had just perfected his Quadrophex Apparatus with such good results for that Company, to undertake a series of experiments for the purpose of ascertaining what, if any, further development of the principle of acoustic Telegraphy could be made. Mr. Edison undertook the work, and produced many ingenious and some valuable improvements; all the while gradually approaching the transmission of Composite sounds, having in operation in his laboratory, at the time Professor Bell exhibited his first Telephone, precisely the same form of apparatus but which Mr. Edison had devised some months before, solely for the purposes of reproducing the vibrations of a tuning-fork. Had Mr. Edison sounded a vocal chord or spoken words into this device, instead of using the vibrations of the fork, he would have anticipated Professor Bell in the discovery of the Magneto Telephone. As it was, the use of the device for the purpose of reproducing the composite tones or sounds transmitted over a wire, gave to him the right under the Patent Law of the United States to use it as a Telephone receiver, or reproducing apparatus, but not the right to speak into it, for the purpose of transmitting vocal effects. Following up the suggestion thus obtained, viz., that in order to make a complete telephone he must produce a novel form of transmitter, and acting further on his belief that the magneto principle of Bell would sooner or later succumb to some form of galvanic apparatus, i.e., some apparatus operating upon battery currents, he set about the invention of a Transmitter.

Starting with the vibrating diaphragm or plate and single contact point of Professor Bell's, his rival gamut of multifarious devices until it became clear that no form of transmitter in which the battery current was at any given moment of time absolutely interrupted would answer the purpose. It was apparent that the perfectly graduated sound source of the voice, must be represented by equally graduated waves of electric-current, the desideratum therefore was a device whereby the resistance of a given electrical circuit should be varied in absolute union with the vibration of a disc.

Invaluable as it is even yet disputed as to whether under the weaker vocal effects, the disc does actually vibrate in the sense of bodily motion, it is apparent that to produce from such infinitesimal movement the effect of increasing and decreasing the resistance of a circuit by the physical force obtained from such movement was almost hopeless, certainly impossible by the application of any principle then in use, or of which science had thus far taken cognizance.

A new series of experiments was therefore entered upon, with the object of determining whether any matter or compound existed, or could be formed which would permit by its expansion and contracting of a sufficient variation of resistance to produce the desired effect. In the course of these experiments, some two thousand in number, Mr. Edison made this important discovery, ultimately solving the problem, viz.—that when two bodies, whose surfaces were semi-conductors of electricity were placed lightly in contact, and included in an electric circuit, a certain strength of current would flow, and when the slightest possible pressure was put upon the bodies, causing them into more intimate contact, thereby decreasing the resistance of the circuit, a stronger flow of the current was obtained.

Here was a new idea, born of an old and well-known law in electric science, viz.: that bad contact means high resistance, and good contact low resistance. In short, the "bad joint" with which every Telegraphist has been familiar from the time when the first line was erected, was to be utilized for the purpose of transmitting speech over great distances.

It will be seen therefore that to effect the object sought by Mr. Edison it was only necessary to take two bodies, say for instance two rusty nails, one of which should be susceptible of easy-vibration, include them in a circuit with a Galvanic Battery and a Magneto-Telephone, the latter to record the result, and talk against the nails. This idea was Mr. Edison's earliest successful attempt to transmit the voice, but the results obtained at first were of little value only as indicators of what would ultimately be obtained. In his earlier form and with the first materials used it was simply what Professor Hughes has since elaborated and to which he has given the name of the "Microphone." In fact Mr. Edison's chief difficulty for some months was in hiding it of his Microphone character. It was too delicate, too sensitive to extraneous sounds, and too liable to be thrown out of adjustment.

In the course of the experiments to determine upon the best material for use in this device, Mr. Edison noticed that ordinary carbon in its various forms, such as coal coked, plumbago, lamp-black, &c., invariably gave good results. Following up this cue, he soon determined that the best results were obtained—

1st.—From substances capable of the finest division.

2nd.—From the finest lamp-black carbon.

After trying the various articles of commerce, he set to work and produced an article superior in every way by collecting the black from the chimney of a smoking kerosene lamp. This he moulded into a button about the size of a sixpence, and placing it in a suitable holder, caused the diaphragm to exert a pressure upon it equal to that exerted upon the diaphragm by the vocal waves. The result was a perfect conversion of the sound waves into electric waves, and in consequence, the complete solution of the problem. Here then was the secret stage of Telephone development made by Mr. Edison. It gave him, in conjunction with the magneto-receiver a complete telephone, independent of that of Professor Bell, and far superior to it in this, that by virtue of the fact that Mr. Edison's working effects of his currents were not limited, as in Bell's by the vocal power. The practical result of this fact was, that much longer lines could be worked, and a much greater volume of sound obtained from the receiving instrument. In point of fact, this transmitter was such an unmistakable advance, that it has to-day almost totally supplanted Professor Bell's instrument in the United States, while it alone has been found of practical value in England. The date of Mr. Edison's English Patent is June, 1877.

The carbon transmitter has however likewise its limit of capacity to put its circulation a strength of current equal to every requirement. It stopped short, for instance of reproducing the voice in its natural compass, and Mr. Edison came to the conclusion however that it was better to essay an improvement in the reproducing apparatus, than to further develop the transmitter, as no matter how strong the currents might be from a transmitter which should be the *ne plus ultra*, the operation of the telephone upon long lines would entail a weak current at the receiving end, hence this weak current must be dealt with sooner or later, he decided therefore to modify it at once. Mr. Edison's work was only half accomplished by the perfection of the Carbon Transmitter; the remainder of the work was effected through

## THE ELECTRO-CHEMICAL RECEIVER.

The multifarious character of Mr. Edison's inventions leads him into the exploration of many widely diversified fields of labour. Thus in 1873 while experimenting in chemistry to discover a compound which would enable him to record by electro-chemical decomposition the telegraphic characters which he had succeeded in transmitting over a wire at the rate of 1000 words per minute, but which he could not permanently record owing to the fact that the only solutions known yielded records either of too fleeting a character, or were not sufficiently sensitive to record at all at the high rate of speed he attained, he noticed this phenomenon. When a strip of paper, which had been steeped in a solution of certain chemicals, was subjected to the action of the electric current its surface became smoother, apparently lubricated, and as soon as the current was withdrawn it regained its normal character.

If such strip of paper were placed upon a metal base having connection with one pole of a galvanic battery and a stick of platinum foil or wire connected with the other pole was taken in the hand and pressed first downward on the paper and at the same time drawn over its surface, the platinum strip would be found to move with comparative freedom despite the downward pressure. But if now the electric current were interrupted while the strip was being moved, the lubricating effect would be lost and the hand instantly checked by the interposition of the normal friction of the moist paper.

Endeavouring by the application of additional muscular power to overcome this friction and force the strip over the surface of the paper, at the same time restoring the current, the strip would be suddenly released and would involuntarily slip over the paper as if upon ice. Here then was the power to put in motion matter at a distance by means of electricity without the intervention of an electro-magnet, or in other words this new principle supplied the first and only substitute for the electro-magnet in all forms of telegraphic instruments. Continued experiments with it gave abundant evidence that it possessed two points of advantage over the electro magnet, viz:—

1st.—Greater sensitiveness requiring no time for its charge and discharge as does the electro magnet.

2nd.—Superior physical force under a given strength of electrical current, by virtue of the fact that the force exercised is purely local, being supplied by the hand, or by clockwork, the electric current simply controlling its effectiveness, and not of itself performing any physical labour.

During the early days of the Telephone, Mr. Edison made some attempts to adapt this principle to a Telephone receiver, but met with but partial success, owing mainly to the unevenness of the normal friction of the paper and other absorbent bodies which were used to hold the chemical compound, and to impose the friction.

Upon the completion of the Carbon Transmitter, and the definite appearance of a demand for the greater volume of sound in the receiving instrument Mr. Edison essayed in earnest the work of applying the new principle to the Telephone. The instruments now in use by your Company are the final outcome of those efforts.

A Cylinder of chalk which has been previously saturated with an alkali solution is substituted for the original paper, the finer divided particles of the chalk offering a more uniform friction.

The Cylinder is mounted upon a shaft which is rotated by a hand crank. Attached to the centre of a Disc of Nica is a brass strip faced with platinum, which projects over the cylinder, and is made to bear with considerable pressure upon the chalk by means of a rubber cushion or spring. The wires are so attached that the electric current is made to pass from the brass strip to and through the chalk cylinder at the point of friction. Now if the crank is turned so as to rotate the cylinder outward from the face of the Disc, the friction between the cylinder and the chalk drag the centre of the disc inward more or less bowing it out from a true plane. This is the purely mechanical effect, so far, but if now an impulse of electricity is passed over the wire, the friction between the strip and the cylinder is destroyed, and the disc will by virtue of its own tension instantly regain its normal position of the true plane. Thus we find the disc drawn in one direction by means of the friction, a local action, and in the other direction by means of its own tension; still a local action.

The dictation as to when the friction should or should not be applied is the sole work of the weaker force, the electric current. In this then we have the true motor for the vibration of the plate, and in practice it is found such power may be obtained as will cause the reproduction of the voice in greater volume than was given forth by the original, or in other words we have a perfect telephone, one which at command will speak either in a whisper or in the full tones of a strong-voiced man.

The Magneto Telephone of Professor Bell has been made in hundreds of modified forms, generally with the sole view of evading Professor Bell's well-earned patents. Sometimes, however, with the laudible desire to improve upon it. Among the many who have contributed to this accumulation of diversified form, may be mentioned the following:—Ellaugh Gray, of Chicago, Illinois; George M. Phelps, of New York; Jesse H. Bunnell, of New York; Mr. Gover, now of Paris, and many others too numerous to mention. The original instrument of Professor Bell, however, has not as yet found its superior in kind. The apparatus in its original form embodied all the virtue there was in the principle.

It is needless to say that all these modifications of Professor Bell's apparatus were simply more or less direct infringements of his patents.

The Carbon or Contact Telephone of Mr. Edison has likewise been made in a multitude of forms, mostly of the form and character of his earlier apparatus. This is largely due to the publication of Professor Hughes of his so-called Microphone discoveries, and the announcement by him that he contributed said discoveries to the public. As the Microphone is simply Mr. Edison's early Telephone—no more—no less—adapted to another purpose than the transmission of speech, any adaptation of it for the purpose of such transmission of speech is a clear infringement of Mr. Edison's Patents. It may not be amiss here to remark that Mr. Edison told me personally he did not object to Mr. Hughes claiming the adaptation of his contact principle to the purpose of a microphone. What he did object to was the claim of original discovery. In that objection the Letters Patent support Mr. Edison. Consequently any and all modifications of the Microphone for the purpose of telephony are direct infringements of Mr. Edison's patents, whether the material used be carbon, shot, rusty nails or ought else, by which the principle of obtaining more perfect contact by the exercise of pressure is brought into play.

Among those who have devised modified forms of Mr. Edison's Carbon Transmitter may be mentioned the following:—Blake, of Boston, Mass.; Fiske, of New York; Rig, of Berlin; Crossley, and others of England.

The electro-chemical receiver of Mr. Edison has not as yet been trespassing upon it, it is of too recent birth beside it is of so novel and original character as to require some degree of originality in its infringement. It however doubtless will not escape the piracy which nowadays appears a fixed quantity and certain as death. To Professor Bell we are indebted for the discovery of the telephone, to Mr. Edison for its practical application to the wants of commerce and society; to Mr. Edison we must look for its future development in the direction fore-shadowed in this letter.

I am,

Gentlemen,

Your obedient Servant,

EDWARD H. JOHNSON.

Chief Engineer.

The Edison Telephone Company of London Limited  
Mansion House Chambers,  
11, Queen Victoria Street, E.C.

London Sept 8<sup>th</sup> 1879

My Dear Edison

I write hastily this morning (7am) to  
tell you that my wire's Transmitters  
are too unreliable to be practical  
Occasionally one is found which  
works very well - but an equal  
number simply won't work at all  
without that horrible local vibration  
caused by the friction of the  
receiver acting on the Transmitter  
which in turn reacts on the Receiver  
to produce a squeak - if a  $\frac{1}{100,000,000}$   
part of a hair breadth adjustment  
of the spring to tighten it is had  
the voice at once sinks away from  
a comparatively good volume  
to that of a damned bad  
old style Transmitter -  
You remember the four four  
you sent me of the arm pattern  
- I have taken them, & put

The Edison Telephone Company of London Limited  
 Box Wood ~~Whitby~~ <sup>11, Doughty Street, E.C. 3</sup> ~~pieces~~ <sup>on</sup> ~~an~~ <sup>the</sup> ~~new~~  
 not quite so deep as the ~~one~~ <sup>one</sup> you  
 had on the ~~big~~ <sup>big</sup> ~~own~~ <sup>own</sup> machines  
 but with about ~~the~~ <sup>the</sup> same flare  
 and only  $\frac{1}{2}$  inch hole at the  
 bottom - They are pronounced  
 by everybody to be a great success  
 I do not talk close enough to  
 the mouth piece to sweat the inside  
 of it - rather make it offensive.  
 I do not ~~sp~~ <sup>s</sup>peak loud - scarcely  
 loud enough to be heard more  
 than 10 or 15 feet away - Yet I  
 am able to carry on a whispered  
 conversation with Mr Waterhouse  
 One of our Directors - whose  
 wire - the longest I have - is  
 2 miles long - I used this  
 arrangement yesterday in a  
 trial at The Times office when  
 I was compelled to read an article  
 through the Telephone to  
 an Operator at a Type setting

3

Machine - which makes a noise  
like an Automatic Perforator -  
He plying on his Keyboard & then  
setting up Type ~~from~~ the dictation  
of his Telephone, at the rate of 60  
words per minute - This was a  
severe test - but was accomplished  
to the entire satisfaction of Mr  
MacDonald the manager of the Times  
who has given me the use of a  
Machine & a Canto Blanche to  
go ahead and adapt the Telephone  
to it - & it to the Telephone so as  
to have the thing in working shape  
by the time Parliament meets -  
When Gladstone will speechify - his  
remarks be taken down in short  
hand and read in a Telephone  
to this Typo. in the Times Office  
thus avoiding transcription in  
long hand - and the further delay  
of sending it from House of Com.  
to the ~~Times~~ - Times says will  
be of immense value to them  
& they will give us their  
heartly support. Same thing has  
been tried by Bell - but proved

Utter failure<sup>it</sup> - Now at yesterday  
test - everything would have  
been a dead failure but for  
the old reliable Edison Lamp  
Black Transmitter -

The Only True Carbon  
Telephone

There if my judgment is not  
sufficiently emphasized on that  
subject - I'll print it in letters  
5 feet high & send it to you  
to paste on your Laboratory  
Wall -

I am sorry you have yielded  
to the Clamor for Whispering  
Telephones - by making  
a Transmitter less perfect  
than your old Original  
Far better to have spent

a  $\frac{1}{4}$  <sup>5</sup> section of your time  
in adding the note of sensitiveness  
to the Old one - which has all  
the requisites of a perfect  
Transmitter except extreme  
Sensitiveness -

If you will make me  
a dozen 1<sup>st</sup> class Carbon  
Transmitters old pattern  
& send them on I'll give you  
a different report on  
your new Telephone than  
you are getting from the  
Western Union -

Beside I am supplying the  
thunder here for the big fight  
over the Carbon - I have  
interviews every day with  
Lawyers - Directors &c. &  
have written an elaborate  
pamphlet on the Telephone  
for their enlightenment

6  
The ground I have taken is  
that you had the microphone  
early - but found it impracticable  
as a telephone until you had  
riden it of its uncertain  
character &c &c - I'll send  
you a copy of the paper  
tonight's mail - I want you  
to send me every particle  
of data you have on this  
subject - with samples of  
early apparatus if you have  
any - Collect all you can  
& show you understand &  
operated upon the principle  
of "imperfect contact"

Dumonceil makes the point  
on you that you & Hughes  
differ in this that while  
you exerted more or less  
pressure upon things in  
contact under some degree  
of initial pressure -



7  
Simply varying that degree of  
pressure - Keyes has discovered  
that if two bodies are in extreme  
superficial contact - Sonorous  
vibrations cause a more  
intimate relationship between  
the molecules of the two substances  
etc etc - a distinction without  
a difference as I will show  
by explaining that precisely  
that is the action of your lamp  
black telephone ~~etc~~ with this  
important addition that the  
greater number of molecules  
of the finer Carbon Hermits  
a more intimate <sup>initial</sup> contact without  
initial pressure - and consequently  
a greater variation of the  
intimacy - ~~under~~ <sup>under</sup> the action of  
the sonorous waves - etc etc  
The exhibition of the 2 - sides  
by side in their 1<sup>st</sup> stage (Blake)  
& last stage (your lamp black)  
will demonstrate that a more

perfect graduation of this  
 intensity under the varying  
 graduation of the Sonorous  
 Waves is obtained in you.  
 Or in other words the Electrical  
 Waves are in more perfect  
 Harmony with the found  
 waves -

This confirms the grounded  
 tube that you were not  
 satisfied with Hughes  
 Microphone

We are to have a demonstration  
 of the exchange today to the  
 London Press - big crowd -  
 I am to make them an address.  
 a copy of my pamphlet is  
 to be given each - and also  
 send you the net result.  
 Yours, Sincerely  
 E. H. Wherry

P.S. - I kept this Letter & read  
it with it, ~~an~~ order to give you  
result of today's Exhibition - a  
report of the action of the  
Telephones.

The exhibition was an entire success  
in every particular -

The working of the exchange was  
tested from White's office - where an  
ample luncheon - was amply  
partaken of -

Present. representatives of the following  
Papers - Times, Daily News, The Globe  
Central News, Morning Post, City Press  
Morning Advertiser, Standard, Observer  
Spectator

Also -

Telephone Direction

J. Waterhouse - a splendid man

Mr Fowler - The great objector

Mr Phillip Woodhouse - An honest old chap

Lord Anson - } Addressing me anxious  
to get into business ways

Mr E. Guinand - A heavy swell

Parish - a Millionaire (Hornum's back)

Arnold White - A nervous, ambitious man

(A la Cheever except as to  
personal deformity)

& the man with whom I have the most  
to do - I was introduced as

Mr Edison's Scientific Representative  
in Europe - and the Chief Engineer  
of the Company -  
The affair was very formal.

I made an address - and supplemented  
it by a copy to each of the articles  
on the Telephone - (a copy of which  
I send you to-day's mail) -

Much interest was manifested by the  
majority of those present - though  
there was the usual straggler or two  
who preferred to discuss the winds  
and the sea -

After thoroughly testing the Telephone  
and the exchange - by calling at  
random for communication with  
any of the following,

1. Spanish Copthall Bldg  $\frac{1}{2}$  mile
2. Car Syndicate 56 Old Broad  $\frac{1}{2}$  "
3. Remblaw & Henshaw Gresham St  $\frac{1}{4}$  "
4. Munkitrich 1, Prince St  $\frac{1}{4}$  "
5. Gouraud 6 Lombard St  $\frac{1}{4}$  "
6. Waterhouse 1 New Court Carey St 2 "
7. Of which we were -  $\frac{1}{4}$  mile from Exchange
8. Kingsbury & Co. George St - 12 "
9. Arthur Anderson & Co. Throgmorton St  $\frac{1}{4}$  "
10. London Times Printing House St  $\frac{1}{2}$  "

I led the party to the Exchange to  
witness the operation of the switch


3.

After it had been fully tested & explained - the general hubbub of question & cross question began - and I was drawn into quite an extended dissertation on Telephones - Telegraphs Electricity & Edisonianism in general - This lasted for half an hour - The whole exhibition consuming upwards of 2 1/2 hours -

The Times man then called his brother to order and proposed a vote of thanks - which was given - I responded - Happily of course - The thing then adjourned. Our own people could not express their pleasure at the manner in which I managed the entire thing - Officiantly - and all went off happy -

Now as to the working of the Dists. The regular Carbon came to time every twice - & did their work splendidly - the Question had to be apologized for in 2 instances. The difference was extremely

Noticeable <sup>4</sup> Don't imagine that  
all this was because of the  
fact that it being an Exhibition  
We could talk loud at the  
distant station - For my assistant  
who was at the Times office  
had one of your Lampholch  
Transmitters - and his whispered  
Conversation was distinctly  
audible throughout the room  
His breathing was remarkably so -  
This too as you will see by  
my distancer schedule - on the  
next longest line I had -  
That settles the question for me  
I want only 1<sup>st</sup> Class Lamb  
Black Transmitters -  
I used the Box wood mouthpiece

About  this angle  
I'll send you the papers as  
they come out & you can  
"see ourselves as others see us"  
(Yours Truly (L2 mid))  
E. H. Johnson

all that is necessary is to have Mr. J. H. White, President of the American Telephone & Telegraph Company, take out a patent for the same.

When Mr. White takes out a patent for the same, it will be a great advantage to the American Telephone & Telegraph Company.

made but being a common

Always, Charming Law, B. Co. Mr. I am undoubtedly this that in a Court Room black stop nothing of

continually the wrong of 2 boards did it to, so soon in fact could be made in a clear mind as did for the

in fact not now, it should be understood that the whole will be for the benefit of the public and the interest of the company.

The Edison Telephone Company of London, Limited.  
11, Queen Victoria Street, E.C. 4.  
London, Sept. 8, 1879.

Mr. Edison, New Jersey, U.S.A.

My dear Sir,  
I am instructed by the Directors to request that you will be so good as to afford them the necessary information for patenting the Whistels Boards recently sent by you to this Company. For this purpose it will be necessary to have a full technical description of the instrument together with a clear definition of the novelties or improvements upon previous devices. This will be laid before the Company's legal advisers and the whole or a part will be patented according to the opinion expressed by them.

I am,  
Sir,  
Your Obedient Servant  
J. H. White  
Manager

Very Important  
1879

Form No. 1.  
**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, holding its liability, which here is assumed to be the general contracting carrier.  
 It does not in general assume any liability for repeating a message back to the sending station for correction, and the Com-  
 pany takes no responsibility for the accuracy or delivery of telegraphed messages, and the sender is responsible for the accuracy of the same.

A. H. BREWER, Secy

S. NORVIN GREEN, President.

Date:

Cable

Sept

1879

10:50am

Received at

St. Chas

Menlo Park

NOTICE AT THE TOP.

Report progress times  
 clockworks

6 London

Hot

Cable

Sept 10. 79  
 1 Pm

Menlo Park  
 New Jersey

Rush fifty switch boards  
 District Companies

Manchester  
 Ho 2

Cable

Sept 10. 79  
 1 1/2 Pm

Edison  
 Menlo Park

Expedite dispatch Telephones

Cable reply White

London  
 Ho 4



2

Sept 10-79

Cable  
White London

We ship Tuesday fifty London  
direct to Weekey thereafter

11 Menlo Park  
Sept. 10<sup>th</sup>

255-414  
9/10

*The Edison Telephone Company of London Limited,  
Managers House Chambers,*

*11, Queen Victoria Street, E.C.*  
*London Sept 11 1879*

*J. A. Edison Esq  
Menlo Park  
N. Y. U. S. A*

*Dear Sir,*

*I cabled you yesterday as per copy  
enclosed and have this day received your reply  
to the effect that fifty instruments would leave  
New York consigned direct to London and  
that in <sup>early</sup> subsequent weeks a parcel of fifty  
would follow.*

*The demand for these instruments  
consequent upon the demonstration held  
before the representatives of the English Press,  
amounts to hundreds a day, and pending  
a distinct and definite indent on your works  
will probably be dispatched by my Directors  
in the course of a few days, I have most*

*London  
Sept 11 79  
no reply*

*earnestly to request that you will expedite  
to the utmost of your ability the dispatch  
of the instruments in question.*

*I am,*

*Dear Sir*

*Yours faithfully*

*Arnold White*

*Manager*

*Copy*

*Expedite dispatch telephone*

*file*

*The Edison Telephone Company of London Limited.*  
*Manufacturing and General Business.*

*21, Queen Victoria Street, E.C.*

*London 13<sup>th</sup> Sept 1879*

*J. A. Edison Esq*

*Menlo Park*

*New York U. S. A*

*Dear Sir*

*Please note that the Register  
of Patents addressed to this Company is  
Quephone London*

*I am*

*Dear Sir*

*Yours faithfully*

*John White*

*Manager*

Liverpool Eng. Sept 14/79.

My Dear Edison

Not a word from you on Patch  
for 2 weeks. Which implies that  
my letters are read and known  
aside - One to await the other, in  
the expectation doubtless that  
I will extricate myself from  
the difficulties I report without any  
assistance from you - a very  
interesting book of study for you  
but rather costly - as you simply  
delay the final result by that  
amount of time it takes me to  
learn by experience what you  
already know & could just as well  
tell me - I have to report in this  
letter that which might have been  
done 2 or 3 weeks earlier if you  
had written me the full details  
of your experiments with both  
the Chalk and the New Transmitter  
so that I might have saved the  
time necessary to go over the same  
ground you have - If you do not  
pay this letter any more respect  
than former ones - I shall recommend  
the Co to employ a short hand man  
for you - with Head Quarters at  
Merito Park - You must not forget  
that you are doubly bound to  
respond to communications

from here. 1<sup>st</sup> you are the Electrician  
2<sup>d</sup> You are responsible for the good  
working of the apparatus - 3<sup>d</sup> you  
are more deeply than any one,  
interested in the consummation of  
our plans - 4<sup>th</sup> You distinctly  
assured me you would keep me  
fully advised of everything you  
did. I was to do the same - I  
have done so. You have not. Yet  
result - We do not agree, my  
experience does not support your  
conclusions - and I am in utter  
ignorance as to whether you  
count my experience as of  
any value as against your  
conclusions. It is of the utmost  
importance to the Company that  
they at least should know of  
these things - I'll now give you  
the result of a thorough and  
complete test of your two forms  
of Transmitters and you will  
then understand the anxiety  
of everybody to know what you  
have decided upon - Much  
depends upon it. No one here  
feels disposed to telegraph you  
to do so & so in ignorance of  
your grounds for a contrary  
course. You can readily  
understand that.

As I last wrote you I took the  
4. Lamp Black Buttons Frost's

With Arm receivers - first sent me  
 & put Box Wood Mouth pieces on  
 them - One is in constant use at  
 the Exchange-board - One was used  
 in the Times experiment and I am  
 on an exhibition tour with the  
 other two - I give you results

1<sup>st</sup> Better talking invariably received  
 from the Exchange than from any  
 station no matter who speaks from  
 there - and all our subscribers  
 frequently do - in visits they pay us.  
 This results in frequent inquiry  
 from subscribers as to the cause

2<sup>nd</sup> The Times experiment was a success  
 Only by virtue of this Inst. the  
 others failing to give a voice  
 of sufficient Volume & Uniformity

3<sup>rd</sup> This report on these 2 - is Important  
 and in my judgment Completely  
 conclusive.

Monday Night I left London in Co with G.  
 & Mr Waterhouse and my assistant  
 for the purpose of making a  
 demonstration at Manchester on  
 a 13 mile R.R. wire - expecting to  
 return the next day - It is now  
 Sunday & I am still at it - having  
 finished there & come down here  
 the prolongation being due to the  
 fact of a most unequivocal

Success and the ensuing consequences.

At Manchester & Liverpool we find the Bell Co entrenched in force with the Blake Transmitter. They are working with an energy unparalleled in my experience with them - and have a considerable no of lines in operation - they have a company organized in Manchester - & are partly organized here - this is the situation we find - and decided to attack. This the result.

1<sup>st</sup> Day at Manchester - we worked a P.O. wire from M to Dinting 13 miles (see newspaper) - & worked it in the most satisfactory manner despite a considerable induction. Bank Presidents, Merchants, Lawyers, Barons, Clerks, Office lads & Messengers - alike operated it with the utmost ease - a whistle could be heard several feet away rising above the induction -

If the ear was placed against the receiver it was stunned by the noise <sup>induction</sup> and nothing understood.

This demonstrated its practical application to private lines - hundreds upon hundreds of which are in operation here with the ABC Instruments - the point of such demonstration

was - not to utilize these lines  
 now - but to show promoters that  
 if it should transpire that the  
 Telephone Co's after a while shall  
 compel the P.D. to take notice of  
 them i.e. buy them out - this point  
 could be counted in our favor -  
 It being held rightly enough that  
 if the thing is ~~is~~ practical on  
 these private lines it is of much  
 greater value to the P.D. than  
 if - like Bells it had to have  
 special wires constructed. - All  
 hands conceded that in this effort  
 on the Birnie wire - we had  
 established that point. I may add  
 however that it is not established  
 fully - inasmuch as I have failed  
 utterly to get satisfactory work  
 on much shorter lines in London  
 where the induction was apparently  
 no heavier - but seemed to be of  
 a different character. - My notion  
 is that it is more continuous  
 than keeping the chalk constantly  
 lubricated - and offering no margin  
 of difference for the talking currents  
 to operate upon - You can cogitate  
 on this - (I'll resort to this question again)  
 Next day we worked a "Bell Tel" wire  
 from Man. to Bolton 11 miles  
 and worked it as if but ~~from~~  
 room to ~~room~~ ~~the~~ ~~nearest~~  
 whisper within 2000 inches of the



Mouthpiece being sufficient to  
be clearly heard at the other end.  
This day some 200 of the leading  
Business men of the town tested  
it thoroughly - side by side with  
the Bell - which was in use on the  
wire - (Magneto only) - by night the  
excitement got so great that the  
Company of Manchester was closed  
up - and in order to admit some  
strong people who applied some  
of the 1000 £ shareholders were  
cut down to 500 £ - Hows that?  
(By the way - Old man my contract in  
72 - that 5% is still unpaid - and I  
is now trying to persuade me to  
yield a portion of my interest  
because he has had to make  
certain promises to White - that  
is he wants me to pay his promise  
out of my 5% - while he pockets  
an immense fortune - as I  
anticipated this matter has been  
left open until a sitting day has  
come - and now there will be  
trouble -)

That same night we privately secured  
a wire to Liverpool <sup>40 miles</sup> and made some  
tests on it - resulting in my  
getting what my assistant said  
very fairly - but he did not  
get me at all except now &  
then a word - the induction  
seemed to be no heavier here

than on the vibrating wire - Now it appears to me - that this receiver is incapable of reproducing sound from induction beyond ~~some~~ certain point - Is not my theory therefore ~~correct~~ <sup>justified</sup> that the currents being constant a continuous lubrication is effected <sup>spring</sup> such conditions I have always been able to obtain perfect talking but very low - and only with a good Lamp Black Transmitter

Both in this test and on the shorter wires I compared the Emly with the Bell - and find the former far superior - On the short lines the necessity for holding the Bell to the ear - creates such an uproar therein as to prevent analysis of the sounds - On the longer lines this is not only the case - but the talking being so much weaker is not heard at all - What do you think of that - A 40 mile P.O. line - Bangrup Lamp Black Trans. Magneto receiver refused to formulate the words at all - Emly gave them - When you put your ear close to it barely distinguishable from the induction fadgon - but when the ear was 6 or 7 inches removed the words were quite clear and articulate - So much for the superiority of the new receiver as an analyser of sound and

a delicate measure of weak  
Currents - As to its sensitiveness  
I am convinced it is even more  
sensitive than the magnet - but  
the slight scraping of the chalk  
prevents the effect being heard -  
- I did this with it however -  
I used a magnet - regular Bell -  
on a 15-mile wire as a Transmitter  
& made the reproduction audible  
throughout a large room - While  
substituting the magnet receiver  
reduced the sound to such an  
extent that many present could  
barely hear it - & some not at all  
- with the instrument to the ear -  
This I take it - simply means that  
this new receiver will work on  
longer lines than the magnet -  
~~Will better ~~disrupt~~ the talking from~~  
~~this ~~extensive~~ ~~as~~ ~~now~~~~  
Will better separate & distinguish  
the vibrations due ~~from~~ <sup>to</sup> the Talking  
Currents from those due to  
the Induction Currents.  
Will make audible weaker transmitting  
Currents on short lines ~~than~~  
~~the~~ and in fact is a superior  
receiver. Even for the magnet  
Transmitter - (Did you imagine  
there's just - would appear in the  
role of being more effective as  
a Transmitter than as a receiver  
under certain conditions?)

2

I Certainly never did -  
Wednesday Night having Unsuccessfully  
bagged the game at Manchester  
(Ed Bates sorry but had no time to go  
look up his Pro. Will next time I go down)  
We all went down to L. Pool &  
here have been ever since -  
In Manchester they have their Co  
formed. So we had but one thing  
to do viz: Get new men & from another  
here it is different the way men  
we want they have been trading  
with - and have in many cases  
partially secured - some having  
even paid their first assessment  
of 250 £. You can imagine then  
the work we have had to do. Our  
own people determined to secure  
these men & their Kill 2 Birds  
with one Stone - the Mayor is  
one of them - He at first told us  
we were too late - & that they had  
decided to go into the other thing  
but Waterhouse who knows  
Everybody - persuaded him to give  
us a hearing - So Friday we were  
both invited to be present with  
our apparatus & let his worship  
& his friends judge between  
this we did - they had a  
Blake Transmitter, I had my  
2 Old machines that I have  
been doing everything with

and in which more than 500  
different people having been  
talking since we left London  
Got I challenged them on every  
hand - If they whispered I  
whispered - my whisper was  
audable theirs was not - except  
to a very attentive ear -  
If they spoke a foot away  
so did I - I again being heard  
distinctly & so on - that was  
their only lay - and in spite  
of the fact that I had but  
the damp Black Transmitter  
I held my own & in the  
judgment of everybody won  
the day - On every other point  
I simply run them off the  
field - The night left them without  
a foot to stand on - Everyone  
said Oh that's the thing - that's  
Perfection - that's marvellous or  
some such remark - The next  
morning they had moved into  
an adjoining room - While I  
still held my ground - more  
perfect if possible than ever -  
they opened under the charge of  
their local official the featured  
to make a remark or two - I  
put down on him so quick &  
so effectually that he disappeared  
immediately & was never more  
seen - Their apparatus was

shown by me in my own way  
 for the next 3 hours - when  
 Tracy & Lorraine the Electricians of  
 the Patent Co. from London  
 arrived - having evidently been  
 telegraphed for. I combatted them  
 and compelled them to make  
 2 or 3 such ridiculous claims  
 as this - that "Bell was the Inventor  
 of the Carbon Transmitter" &c  
 I told them I knew Prof Bell  
 very well and he never made  
 any such claim - the reply was  
 "Well his Father in Law is now  
 in this Country - & he does for him"  
 - Adding sarcastically "I suppose  
 you will say next you know  
 him too" - Ha! Ha! If I didn't  
 go for him - I said "Well yes  
 I rather guess I do" "He is the  
 Pres. of a Company in N York  
 of which I am Secy & Treasr"  
 I have supped dined & visited  
 him, I have talked Telephone with  
 him by the day and week he will  
 not say to me that Bell invented  
 the Carbon Transmitter" - You  
 could tell he was a Chicago  
 man by the fact that this  
 did not yet kill him - He said  
 "Well he will be here in a day  
 or two & we will then all have  
 intimately acquainted you are  
 Now when they find that I

do know the Old Cock - better  
than they do themselves - they  
will doubtless try & have him  
on me - which if he undertakes  
will be the poorest success  
he ever met with in his life  
But he won't undertake it.

The result of all this was -  
that the enemy's camp was so  
completely routed that the Mayor  
& his friends asked us to keep  
the exhibition until Tuesday -  
& then upon the return to the City  
of one of the principal Chaprs.  
a meeting of the proposed  
shareholders should be held  
and a decision had -  
This in the face of the fact that  
several of them have paid 250  
£ into the Bell Co - and cannot  
withdraw without losing it -  
is better evidence of the opinion  
they are held - than any words  
though there were plenty of  
the latter - Tuesday will therefore  
probably see a 2d Co formed -  
- Another Divvy to quarrel about -  
Meanwhile White reports from  
London - subscriptions coming  
in at a rapid rate - whole  
batches of them 50 at a single  
time - (2 such rest) Hundreds of  
letters coming in from all  
parts of the Country -

13

I beat you London Papers -  
The Times Editorial has made  
an excitement - and things  
are getting extremely lively -  
We want Telephones as follows

London - 1000 Immediately  
Manchester 500 "  
Liverpool 500 "  
Glasgow 500 "

<sup>2500</sup>  
I have written to Bergmann today  
to go see you at once - & to take  
up this work independent of  
anything else if necessary -  
- I will see that the money  
is forthcoming always in time  
Under my agreement with  
him this work goes to him or  
my agreement lapses. - I have  
arranged with Painter to loan  
him any money he may need  
on my life - to enlarge his  
plant - The question now is what  
Frouzmitter shall be put on  
them. If my judgment is to decide  
the question I now decide it - put  
on the Laupblack Button & it  
only - Never mind the increased  
cost. It is the only true Frouzmitter  
A pin point will work - and is  
very sensitive - but if it fails as  
it frequently does - no amount  
of lung power will resurrect it



The larger the surface the less  
sensitive but the more reliable -

All Microphone Cones. reproduce all  
the vocal quality - when spoken very  
low and at the exact effective distance  
from the transmitter -

Any variation of distance - or  
volume of tone - results in discord  
such variation is inevitable from  
a general use -

The Lamp Black Button gives the  
vocal quality perfectly at ~~any~~  
distance which will affect it at all  
and whether a whisper or  
the voice of a strong lunged man  
It raises the tension of the current  
in perfect unison with the rise  
of the vocal wave -

In my exhibition this week I  
have shown this perfectly - I  
whisper & then shout Fire - &  
the result is always equally good  
- My assistant is a Batchelorsian  
speaker - & can raise the wind.  
My Tunnel shaped mouthpiece  
enhances this property. & makes  
it more sensitive by Concentration  
- The small hole prevents Muffling  
- 250 people used one Transmitter  
between 10.30 am & 6 pm & not  
one made the criticism of  
offensiveness in the mouthpiece.

which would have been simply unbearable in the old style - I think the wooden Mouthpiece is an advantage in this respect. Moisture does not collect on it. It is absorbed - Beside the Auger such it runs out - Try it -

I have had both Col. G. & Mr. W. watching the behaviour of this Instrument all through - & they are of one mind with myself that it is incomparably superior to the *Emertia* - The latter gives too many false vibrations - It must be made fast to a solid wall. Else the chalk reacts on it - & sets up a squeak - Even if separated from one base they would have to be fastened to one wall or board - the turning of the Crank conveys a stronger vibration than a whispered or low spoken word - Stick to your own perfect form. But make it good - Regard thickness of Diaphragm &c. The two Instruments I am using have Original Chalks in them. Never been touched with anything - You have certainly

settled that question - though  
I have some which are bad.  
Great care should be taken  
to make them all alike  
- Equally good -

May I make a suggestion -  
I notice that when I speak the ~~Reed~~  
Vibrates very strong. Suppose there  
was a Carbon Button of good  
size fixed on this receiver and  
its Action transmitted to the diaphragm  
Would not the two act in harmony  
- Wouldn't the action of each be  
practically simultaneous or  
Could you not so arrange them  
as to make them do so. by  
putting the first in a local Ckt  
& the 2nd in the regular line  
Primary again.

Would not the currents from  
the distant station acting upon  
the diaphragm & by it on the  
Carbon - react on the Diaphragm

~~to make it vibrate~~  
Would there be a ~~lack~~ & a  
Neutralization - In short what  
you make a Relay & a buffer  
out of this thing. I think you  
can - Think it over & if you  
can, chuck me a crumb.  
Oh Merriam - Good Bye - Ad mean  
If you don't read these things for  
Gods sake tell me so - Its a labor

W. H. Goldsboro  
Faithfully yours  
to write so much

London Sept 19/79.

My Dear Edison.

I send you today's mail  
the Patentes Manual by  
Johnson. Johnson is the  
lawyer of the Co - who is  
looking into your Telephone  
Patents - read particularly  
the chapters on Claims,  
Disclaimers, Provisional  
Specification & Final Spec.  
Brewer & Jensen's report on  
it for the Phono. Co - as  
well as Johnson's own report  
to our people before they  
went in - are both to the effect  
that it is in the main good  
- but Johnson's report was  
accompanied by the unequivocal  
assertion that Disclaimers  
would have to be made or  
we could go into Court.  
Into Court we are going  
in order to shut out all

Carbon ~~pretensions~~ ~~are~~  
are going to claim the most  
principles - of Varying the  
Resistance of an Electric  
Circuit by the impact of  
Sound Waves - That was  
my advice & they propose  
to act on it - I want you  
to send me Everything  
bearing on that Hughes  
Preece Controversy - It will  
come up in Court - & I  
propose to be your Mouth-  
piece - I rather think my  
Quad. experience entitles  
me to some Self Confidence  
in that respect -  
I am going into this as I  
never went into any legal  
points before - If we win  
this fight - the Bell Co will  
be run out of Europe  
& we will have the field  
alone - \$1,000,000 - will there  
be your share of the

spoils -

(3)

In re. to the Transmitter question - The small Carbon points will not stand either a sufficient tension or Battery power - or sound sufficient to raise the Electrical Tension to a point of sufficient Effectiveness to Overcome the obstacles of Induction & long wires.

The Lamp Black Button will.

I put 2 Cells Leclanche & a funnel mouth piece on it

and whisper - or yell at lib on wires upon which the other Transmitters are practically silent - I submitted all these things to our board last night & was instructed to Cable you "Want only Old Transmitters" - Whenever

Tests on good work have  
had to be done I have  
had to use them. I found  
4 or 5 W.E. Bronzes Trans.  
like those on the long  
Narrow W.E. boxes - & have  
put them on your Inertia  
Insts. Cutting the Hole & etc.

If you know of anything  
which will guarantee  
Constancy in the Inertia  
& prevent that Blur  
when the Chack inclines to  
a little too much friction  
& thus vibrates the Carbon,  
tell it to me - I've tried  
Everything - but at a Critical  
Moment - the same things  
are sure to fail - & if  
adjusted closer to prevent  
th - are less sensitive  
than the regular Carbon  
Examine those Bronzes  
Transmitters - they are good

is that metal Button not  
Aluminum - I think it is  
& that its lightness & Elasticity  
explains their superiority

Send me a few loose  
Lamp Black Transmitters  
of the best pattern you  
can devise - & your  
Telephone here will be  
without a fault -

I write this hastily  
& am Eve going down  
as I promised Bourgeois  
I would mail it this AM  
I wrote last night a long  
Spec. for Switch Board  
We are going to Essay a  
Patent - to secure ourselves  
from the possible danger  
of other parties getting  
the thing patented - it is  
so new in this Country



it is not safe to allow  
it to run loose -  
Whether we get it or not  
we will have prevented  
other from doing so  
& thus made ourselves  
safe -

Yours Truly  
E. Johnson -

Manchester - Liverpool  
and all private lines  
Must have clock work  
machines - they send long  
messages - price lists &c  
& cannot manage the crank  
& write properly - What have  
you done in this re.?  
The thing turns so easily  
you have but little work  
to perform

E. J.

N.P.

Cable

Edison

Menlo Park N.J.

Sept 19, 79

8<sup>33</sup> AM

Want Rose one year subject  
three months notice pay  
fifteen hundred must sail  
immediately See Bergmann  
Answer want only old transmitter

23 London  
No. 7,

Sept 19, 79

Menlo Park London

We open tertiary on back  
of push button stops  
squeak completely increases  
margin

15 Menlo Park  
Sept 19

1140  
9 Ho

1879

Cable

Sept 19, 79

9<sup>37</sup> AM

Edison Menlo Park  
N.J.

Indispensable send immediately  
six superior inspectors pay  
to commence 900 increasing  
if satisfactory Cable return

19 London  
Direct  
No. 7

London Sept 19, 74

Johnson  
to  
Edison

M. Park Sept 19 74

Edison  
to  
Kendrick Tel Co

15- \$117<sup>00</sup>

London Sept 19, 74

Arnold White  
to  
Edison

March No. 1.

D  
1879 Telephone

# THE WESTERN UNION TELEGRAPH COMPANY.

No.

This Company TRANSMITS DELIVERED Messages only on condition, limiting its liability, which have been accepted in by the sender and the receiving parties. Messages sent on condition, subject to the company's right to refuse a message back to the sending station for correction, and the Company will not be held liable for any loss or damage to the message or its contents. This Message has UNPAID MESSAGE and is delivered by request of the sender and the receiver and others named therein.

A. B. BROWN, Secy.

NORVIN GREEN, Pres.

Dated My Sept 20 1879 at Western Union Building,  
St. J. A. Edison, N.Y. Appt 20  
BROADWAY AND DEY STREET.

I make an application to you as  
an inspector in the Telephone Exchange  
I am now awaiting Mr. Eldred's order  
for a place have worked for the Bell Co  
I can give satisfactory recommendation  
Refer you to Mr. Kiffin your Clerk. S-  
Thoroughly understand your Telephone &  
Transmission & its Construction & can run wires as

READ THE NOTICE AT THE TOP.

190 Bway N.Y.

your clerk O. S. Wiley

March No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

No.

This Company TRANSMITS DELIVERED Messages only on condition, limiting its liability, which have been accepted in by the sender and the receiving parties. Messages sent on condition, subject to the company's right to refuse a message back to the sending station for correction, and the Company will not be held liable for any loss or damage to the message or its contents. This Message has UNPAID MESSAGE and is delivered by request of the sender and the receiver and others named therein.

A. B. BROWN, Secy.

NORVIN GREEN, Pres.

Dated My Sept 20 1879 at Western Union Building,  
St. J. A. Edison, N.Y. Appt 20  
BROADWAY AND DEY STREET.

if you see any chance for me let me  
know will you please present this  
to Mr. C. at favorable chance. AM  
going & expect to go to work for  
Mr. Eldred next week but would  
like to go to Europe if had chance  
learn they said inspectors

READ THE NOTICE AT THE TOP.

6 Lombard Street London Eng

22<sup>nd</sup> September 1899

Thos Alva Edison Esq  
Menlo Park

New Jersey U.S.A.

My Dear Edison,

I confirm dispatch to you of the  
following cable

"Indispensable. Send immediately, via  
superior inspectors. Pay to command  
\$900 increasing if satisfactory. Cable  
steamer"

from which you will understand that we  
require immediately, via qualified Telephone  
Inspectors at a corresponding salary of \$900  
per annum. I am anxiously awaiting the  
receipt of your cable stating by what steamer  
they reach New York.

I confirm receipt from you of the  
following which I have handed to Johnson  
for his attention:-

"We open tertiary on back of paid  
button stops squeak completely useless  
margin"

Telephone Accounts. Please render all accounts  
for telephone &c to me as the Bankers

credit for \$8000 through Durels' was  
from me personally and not from the  
company.

Yours truly  
Geo. E. Gouraud

6 Lombard Street London E.C.4  
25<sup>th</sup> September 1879

Thos. Alderson Esq  
Merton Park

New Jersey U.S.A.  
My Dear Sir

Referring to my letter of 2<sup>nd</sup> inst  
I want the sub inspectors for the District  
Companies. We are very much in want of  
such men, and shall want them now ~~more~~  
~~more~~ all when the supply of appointments  
come which we are so anxiously awaiting.

Yours truly  
Geo. C. Gouraud





Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

Guarantee. TRANSMISSION AND DELIVERY messages only on condition of being in the form in which here transmitted by the Company to the receiving office. Messages sent by the service of the Company and the Company will not be held liable for any delay in transmission or delivery of Unrepeated Messages. Messages sent by the service of the Company are UNREPEATED. REPEATED messages are delivered by request of the sender under conditions of service.

A. B. BREWER, Sec'y

JOHN GREEN, President.

Date. New York 19/11 1879

Received at \_\_\_\_\_

To J. A. C.

READ THE NOTICE AT THE TOP.

Can I see you  
tomorrow Relative to  
making final  
arrangements for  
going to London  
please reply

O. S. Wiley  
ny office

answer to Orange 1/2 after  
230 P.M. O.S.

Dated 24<sup>th</sup> Sep 1899

The Eastern Telephone  
Company of London  
Limited

and

S. A. Johnson Esq

Copy Agreement

Agreement made the twenty fourth day of September One Thousand eight Hundred and twenty nine between the Edison Telephone Company of London who registered office is at 11, Queen Victoria Street in the City of London herein after called the Company of the one part and Edward Hibbert Johnson of 20 Queen's Guard in the County of Middlesex Electrical Engineer of the other part.

1 The Company engages the said Edward Hibbert Johnson unto the said Edward Hibbert Johnson agrees to serve the Company as their Engineer

The said Edward Hibbert Johnson shall  
2 devote the whole of his time and attention to the business of the Company and shall use his best efforts to promote the success of the Company's business.

3 The said Edward Hibbert Johnson shall in all things act under the direction of the Board of the Company or their manager.

4 The salary of the said Edward Hibbert Johnson shall be the sum of one hundred pounds per calendar month calculated from the fourteenth day of July One Thousand Eight Hundred and twenty Nine and the said salary shall be paid monthly.

5 This Agreement shall be determinable by the Company on the fourteenth day of December One Thousand Eight Hundred and twenty Nine or on the fourteenth day of any subsequent month by three calendar months previous notice in writing signed by the Secretary of the Company and delivered to the said Edward Hibbert Johnson or left at his last known address in the country.

6 This Agreement shall be determinable

by the said Edward Hubbard Johnson on the fourteenth day of July One thousand Eight hundred and eighty or on the fourteenth day of any subsequent month by three calendar months previous notice in writing signed by him and left at the Register Office of the Company, but the said Edward Hubbard Johnson shall have no power to determine his engagement with the Company prior to the said fourteenth day of July, Eight hundred and Eighty.

In witness whereof two of the Directors of the said Company and the said Edward Hubbard Johnson have hereunto set their hands

Signed W. Gardner (Director)

" Geo. L. Fournaud "

" E. H. Johnson

witness

(Signed) W. A. Allison

N.Y. Sept 25<sup>th</sup> 1879

T.A. Edison

Dear Sir

Please Send

The following dispatch to  
E.W. Johnson and if terms  
are accepted I will start  
next week

Yours &c  
A. W. Crane

Room 5 Tribune Building

Sept 26 .79

Menlo Park  
London

Rose accepts if you  
guarantee one year  
Salary and Expenses  
over

3 Menlo Park  
10<sup>35</sup> 1/2<sup>11/10</sup>

3

Sept 26 .79  
4 25<sup>5</sup> PM

Cable

Edison Menlo Park

Rose's terms  
approved if Ails  
immediately  
Cable steamer

10 London  
Hog

[TO EDWARD H. JOHNSON]

T. A. EDISON.

V

Menlo Park, N. J.

Sept 26 1879

Cable  
Quephone  
Menlo Park London

Johnson exhaustive experiments proved  
old transmitters only reliable one  
hundred instruments ready waiting  
transmitters nearly done balance  
order follow rapidly making  
arrangements give hundred weekly  
go for Blake ~~transmitters~~ same  
fitting except shape of parts  
Bergmann on Switchboards.  
Impure chalk explains your  
differences I guarantee absolutely  
reliable hereafter

49 Menlo Park  
Sept 26

653 Mr  
9 Hy

## The Gold and Stock Telegraph Company,

58 Gray New York Sep 7 1879

J. A. Edison

Dear Sir

I learn that you wish to employ a number of men familiar with your telephones to act as Inspectors in your London system. I have been acting as Inspector for the Gold and Stock Company in their Merchants System at 58 Broadway since May last. For my knowledge of the telephone and of the Merchants Exchange System I refer to J. Hemmens Manager 58 Broadway and to G. L. Wiley Supt. G. & S. Co. Would be glad to hear further particulars as to salary, terms, etc.

Yours Respy

Wm E Yackley



Original

Mundo Park N.Y. 9. 29. 79

Received from T A Edison Four  
hundred dollars as advance payment  
on account of services to be per-  
formed by me as Inspector of  
Telephones for the Edison Louis  
speaking Telephone Co of London  
England - The money being nec-  
essary to pay expenses over to  
England for self and family  
C. H. Rose

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, that the sender shall be  
responsible for the payment of the charges thereon. In the sending of messages, the sender shall be  
held responsible for the accuracy of the message and for the payment of the charges thereon. The  
Company will not be held responsible for the delivery of the message or for the payment of the charges thereon.  
The message is transmitted and delivered on a non-guaranteed basis and is subject to the conditions of service  
which are on file at the office of the Company.

A. B. BREWER, Secy

KORVIN GREEN, Pres

Dated Cable Sept 30 1879

Received at Edison

Mundo Park

May I contract Bergmann  
3000 addition your  
500 suggest your  
inspection  
Johnson  
14 London

40f

READ THE NOTICE AT THE TOP.

T. A. EDISON

Menlo Park, N. J.,

Sept 30 1879

1. Oliver

Menlo Park London

Send orders through me  
Bergmain shall have all  
he can do

1. B. Menlo Park 10 Sept 30

120 Hg

Calicut 181111 Sept 20 14

1/3

Memo to Mr. N. J. ...

This should be clipped  
to E. H. Johnson  
personally

181111  
#10,14

London Sept 20/79.

My Dear Edison

We have come across a more serious matter in re. to your Patent viz: The claim by Bell of the Principle - You will find in his English Patent he says

"Electric Undulation may also be caused by Alternately increasing and diminishing the resistance of the circuit, or by Alternately increasing and diminishing the Power of the Battery"

We find that Gray's Principle of increasing and diminishing by outmerging the points in water - is not on file in the English Patent Office & therefore Bell's ~~claim~~ Citation of the Principle is new - and while he does not claim it - or show any device by which it may be applied his Publication prevents you from broadly claiming the principle. You know it is delicate sort of work any way - holding a principle and you are going to have the opposition of a strong clique - Experts to testify that the Principle is not new will be abundant - I shall meet them all with a solid front - but my testimony will have but little weight.

in a scale with your opponents.  
We are now having an opinion  
on this question of holding the  
principle in the face of the Bell  
citation. I have put the following  
questions to the Lawyers and they  
are now coming them over -

- 1<sup>st</sup> Does the mere Meagre allusion  
to a principle without clear  
elucidation; or without attempt  
to show a method for its application  
constitute a Publication?
- 2<sup>nd</sup> If such Publication is so ineffective  
in its power to convey an  
idea of its importance, to the  
Public. will it hold as a  
Publication - as against the  
right of a bona fide inventor  
who has clearly worked it out  
and practically applied it by  
effective devices -

The temporary reply is to the effect  
that such practical device can  
only be patented as a device  
and are therefore in a  
probability to be known back  
upon your Carbon Button  
press & simple - and your  
mechanism -  
Semoncel - Hughes Preece &  
probably for Wm. Thomson  
will testify that the principle

of varying resistance by variable  
pressure upon Carbon (is not  
new - though they cannot say  
that it is not new in its application  
I have pointed out that Cleaves  
device will only vary in only  
direction - ~~and~~ I want you to  
make & send me this device that  
I may show this -  
I am advising them to explain  
your word "Pressure" to mean  
the Concussive action of sound  
waves - I show them that you  
only succeed in making your  
Telephone Operative when you  
bring into play this principle of  
Concussion to drive from each  
other two points or surfaces -  
I show them how in order to do  
this one of the surfaces must be  
free - or what is practically  
substantially the same thing  
held in position by a light Spring  
and then the force of the Spring  
overcome by affixing a heavy  
weight to the end of it - so that  
when the action of the weight is  
overcome - the Spring has not  
sufficient power to suddenly check  
it - Consequently the same effect  
is produced - as if it were  
perfectly free - I told that  
this shows that you were  
acting upon the principle  
of varying intimacy of

Superficial Contact - by Pressure  
due to concussion - ~~however~~  
your description may have  
been worded - If the position  
could be maintained, no Microphone  
could be used, as if it is not so  
arranged as to act in conjunction  
with a loose piece - of weighted  
spring - the Carbon itself is  
perfectly free - which is the same thing  
- but unfortunately you do not  
give any indication in your  
Provisional specification - ~~that~~  
~~do you~~ that you understood  
its action - Now do you claim it.  
I am told that if the broad  
principle of varying the resistance  
of the circuit by the voice has  
to be given up - the fact will  
end the contract our claims on  
the device rather than enlarge  
them - Unless you can bring  
to my assistance in some  
formidable way soon I will  
be overmatched - and will be shown  
that our Patent is only a Patent  
for a particular form of Carbon  
Transmitter - They won't let me  
touch the Induction Coil - because  
you allude to it so vaguely in  
the Provisional - and only as if  
it were a well known method  
of using it.  
Make up - I'm doing as a mortal  
can - but it's a big contract E. J. Johnson

S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Micrographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York Sept 20, 1879  
My dear Edison:—

I have Mr. John  
Crafford has been with Mr. Holmes  
and the Bell "Folk" and I  
can recommend him to you  
as a man such as Johnson  
wants.

You will please let him know  
where he is to go and on what  
conditions.

Yours truly  
S. Bergmann.



S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Phonographs, Telephones, Kinetographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York,  
My dear Edison:

18

I have inquired and  
found Mr. Mollenhauer fully  
competent for the position  
that Johnson wants him  
for, and he is willing to  
accept your terms of \$7,500  
a year.

Yours truly  
S. Bergmann.

T. A. EDISON.

(Oct. 1, 1879)

Menlo Park, N. J.,

18

some notes on the Brewer & Johnson  
made to Valence & Valence

They say Edison's invention is for  
transmitting music & other sounds  
but specially for trans. by wires  
and also the music is so

vibrations, captured by such  
sounds to a syphon or a capillary  
to pass vibrations in the  
transmission. It cannot be a tele-  
phone but a music telegraph

or wireless are made as to influence  
any electric magnet at the other  
very station that a telegraph  
diaphragm in connection therewith  
will reproduce the sounds which  
cause the vibrations.  
This part of his invention  
constitutes his essential

Johnson

Mento Park, N. J.

This is far from antedating my invention  
and I to prove specific

See Pat 2909 page 1st  
line 10 - This is the motor  
section shown in fig 3

again He says the rise & fall  
of tension takes place on the  
line circuit whereas in the  
prior page 3 lines 5 & 6  
say these and transmutely coils  
are used with induct. coils

mean - I see that the title of  
Pat is good in one thing that is  
controlling by and the transmission  
of Elec currents. Whereas in  
Pat its the <sup>control of the</sup> fact itself that produces  
the current.

T. A. EDISON

Menlo Park, N. J.

1879

I think that the phonog is a legit part  
of the tele as much a part of  
tel as the paper is in the news  
registered form - if we take this  
paper out of M Reg we have  
no record we call a telephone  
by putting paper in we have a  
and recorder & rely on that

A phonog is a part of a system  
for reproducing and storing  
it is a mere mechanism for making  
the apparatus. Mechanical to further  
inasmuch as the mag. can be removed  
in absence of an attend & therefore  
reproduces in the same manner  
as if it had been reproduced from the same  
direct. It is an addition to the tele which  
of delay in reproduction

Very, You will notice the carefully



J. A. EDISON  
to that of art 4. no com  
shown in 10. N. J. 1878

again they say the serious point in  
relation to Phonos is the fact of the  
reproduction of sounds by mechanical  
means only without any connection  
with Elec is not alluded  
to at all in Proo Spec

Mem I don't see how the Phonos can  
receive a telegram without the aid  
of Elec. record any other  
msg. without be a tel msg.

regarding the Claim 16 they say there  
is no dup of a loose plate. the diap  
of fig 2 consists of a loose plate.

this was held against the car  
you remain. Machinery made a lot of  
noise.

mem don't forget that our button or  
matter composed of finely divided  
substance is elastic. It is the great

T. A. EDISON.

Menlo Park, N. J.

E. H. Johnson  
C. J. Morris & Allington  
Continental Hotel Philadelphia  
1878

Electricity in its fineness of design that  
it varies in telephones  
they can throw out 22 claim if they  
so desire.

They can do the same also with  
24th claim.

Claim 26 refers to fig 23

They say in Running up as to 18th claim  
it appears doubtful what it refers to.  
they think it refers to fig 6 14 & 15  
there they are being mistaken the  
Moto arm of friction for the Phonos  
arm you will see by reading  
pat. that 18th claim is for  
Moto used as receiver for Moto  
Tel fig 3

12/1/1914

Letter to  
E. Johnson  
Oct 1951  
On East 29th St

T. A. EDISON.

Menlo Park, N. J.,

Oct 1 1879

Cable

950 am

Edison

Menlo Park

Cable price 2000 (amp blank  
pattern)

London  
169

T. A. EDISON.

Menlo Park, N. J.,

Oct 2 1879  
12 m

Cable

Edison Menlo Park

Contract 2000 as  
per Cable

London  
169



White Oct 1, 79  
Edison

Edison

191

191

191

Edison Oct 1, 79

Edison

Edison

Edison

T. A. EDISON,  
Menlo Park, N. J.

Cable *Give is the  
Telephone right*

Quephone London.

Bergman Company will contract 2000  
Complete. Thirteen dollars <sup>each</sup> ~~as can be reached~~  
subject my inspection. Agrees deliver first  
hundred four weeks after receipt order and  
hundred weekly thereafter under forfeiture  
five ~~ten~~ dollar. Bill payable ~~at~~ <sup>on</sup> ~~of~~  
delivery invoices with my signature inspection  
see I shipped last yesterday ~~to~~ today  
Rose sails Saturday.

Edison

New York Oct 2, 1879

Thomas A. Edison Esq  
Menlo Park N.J.

Dear Sir,

My Mr. Rose called to see me yesterday and wanted me to go to London with him as Telephone Inspector promising me a position there and advised me to go to your Laboratory and settle details re.

Upon the strength of his promises as representations I resigned notifying my employer that I must leave for England on Saturday Oct 4<sup>th</sup> in order to accompany Mr. Rose.

I called on you, only to find that you were not in need of any Inspectors.

I would like to know if you cannot make room for me yet?

For ability as Telephone Inspector I refer you to Mr. Rose, Mr. Holmes 578 Broadway, C. C. Cheever and W. L. Gander, Tribune Building, Dr. H. Bates 145 Broadway and W. H. Applebaugh #7 Avenue de l'Opera Paris France. Have traveled through England, Ireland and Scotland and am familiar

with cities of London, Liverpool, Leeds, Man-  
chester, England - Glasgow and Edinburgh  
Scotland, &c. &c.

I should like to hear from you  
at once, and oblige

Respectfully yours,

J. W. Little

% W. K. Applebough

396 = 6<sup>th</sup> Ave

Brooklyn, N.Y.

NY Oct 22 29  
JW Little  
Ans 2 Oct 28 29

The Edison Telephone Company of London, Limited  
Manchester House (The Builders)  
41, Queen Victoria Street, E.C. 4.

London Oct 3<sup>rd</sup> 1879

J. A. Edison Esq

Sir,

I have to acknowledge the receipt  
of your telegram as follows—  
Bergman Company will contract  
2000 complete thirteen dollars  
Eighty two cents packed subject my  
inspection agrees Delivered first hundred  
four weeks after receipt order and  
hundred weeks thereafter under forfeiture  
500 Dollars bills payable Drexel Delivery  
invoices with my signature & inspection  
I shipped lot yesterday & today. Received  
~~today~~ Saturday Edison  
to which the following reply was

sent Contract 2000 as per Cable

I am,

Sir

Your Obedient Servant  
for Arnold White Esq

Secretary



Original

Mentlo Park 10. 3. 79

Received from 7 A Edison one  
hundred Dollars advance salary  
on account of services to be  
performed by me as inspector  
of Telephones for the Edison  
Lond operating Telephone Company  
of London England - the money  
being necessary to pay expenses  
over to England

H C Rector

## The Gold and Stock Telegraph Company,

58 Broadway New York Oct 2<sup>nd</sup> 1897

Prof J. A. Edison

Dear Sir

I should be pleased to hear from you in reply to my letter of a week ago with reference to the engagement of men to act as Telephone Inspectors in your Merchants Exchange System in London. I have been connected with the Gold and Stock Company's Central office at 58 Broadway since May last and am well posted on your telephone and the Merchants Exchange System as in operation at this office. I am permitted to refer to Mr G. L. Wiley Supt Gold and Stock Company 797 Broadway and to J. Hemmens Manager 58 Broadway

Yours Respcly

Wm E Yackley



Brooklyn Oct 5/9  
John A. Wright  
(Inspector)  
and Oct 6

137 Washington St. Brooklyn  
Oct 5/9

57. I am informed that you were  
making inquiry for men of experience  
to assist in putting up your telephones  
in England.  
I think I have had considerable experi-  
ence, in telegraphy, from handling  
the Vigen - Morse - Hovey Printing  
an Automatic Instruments, and  
for the last year, in the handling  
of the telephone, having put in operation  
some three hundred myself, the  
Bell Telephone, with most of the diffi-  
cult kind of Bell attachments.  
The Magneto - Automatic - Carbon &  
Circuit sets, I feel somewhat  
confident I could more successfully  
handle your satisfaction.  
I have also had considerable experi-  
ence in the construction of both the

and House-keeper, I am  
sorry I did not know of Mr. L.H.  
Johnson going in, in case as I  
would have been one of the first  
applicants to have joined him,  
however if you are still in need  
of men I am willing to engage  
with you for one year or more, as  
represented to me by friends of  
mine who are desirous to write to  
you - Since the bursting up of  
the A. & P. Union & the closing  
of my Office in - Toronto &c.  
where I was Manager of that  
Office for several years I have  
been "like Macabiber" waiting for  
something to turn up more agreeable  
than the reporting I think I could  
make myself usefull to you -  
By addressing a letter as above, will  
greatly oblige & receive prompt att  
ention from your humble

Servant & well washer  
Edw. H. Wright

To Thos. C. Edison Esq  
Manito Park  
N.J.

The Edison Telephone Company of London Limited.  
Mansion House Chambers.

11, Queen Victoria Street, E.C.  
London Oct 6<sup>th</sup> 1879.

My Dear Edison

I drop you this note from  
the office hastily, to say that  
Goswami has today  
signified his intention of  
immediately adjusting my  
Contract, and of making it  
inclusive of a like interest  
in the extended Territory  
you gave him in your  
Cable - I always am glad  
to acknowledge fair  
dealing promptly -  
Hastily yours

E. H. Johnson

Original

Received from D A Edison  
one hundred dollars as  
advance salary on account  
of services to be performed  
by me as Inspector of  
Telephones for the Edison  
Long Speaking Telephone  
Company of London England  
the money being necessary  
to pay expenses over  
Wentz Park 10.7.79

\$100.

John F. Willard

Original

Received from J A Edison  
one hundred and fifty  
dollars as advance  
salary on account of  
services to be performed  
by me as Inspector of  
Telephones for the Edison  
Long Speaking Telephone  
Company of London  
England - the money  
being necessary to pay  
expenses over  
Wentz Park 10.7.79

\$150.

John Crawford

✓

Oct 7. 29

Quephone London

Two more inspectors  
sailed. Erin 30 more  
instruments shipped today

12 M Enco Park  
Oct 7

10:15 PM  
9 Nov

Blank No. 2.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the sender of the following message.

Service can be sent in advance only by telegram or otherwise by the sending station for acceptance, and the Company will not be liable for any delay or loss of message or for any other loss of message, under the conditions named above.

A. N. BREWER, Secy

NORVIN GREEN, President.

Dated Cable 10-7 1879

Received at 2000

To Adison

Minlo Park  
READ THE NOTICE AT THE TOP.  
Pastor attorney insufficient  
to consummate Lancashire  
extension money ready  
Cable following to  
Quiplove. I authorize  
Gourad to sign  
necessary papers for  
Lancashire extension.

25 London

H. f.

[ON BACK OF PRECEDING PAGE]

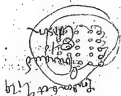
Quephone

London

I authorize ~~Gairaud~~

to sign necessary papers  
for Lancashire Extension

Edison



1  
Que. phone  
London

Oct 7, 29

I authorize Tourand  
to sign necessary papers  
for Lancashire Extension  
Edison

13 M. E. Park  
9 PM  
H. W.



1851.  
 11. Portland, Me.  
 Dear Mother  
 I have been on  
 the water path  
 wintering my cargo  
 in some hot little  
 town in India and  
 enjoying the life  
 for the first year  
 since I came to  
 America. I have  
 been very happy  
 and am now  
 on my way home  
 to you. I am  
 well and hope  
 you are the same.  
 I am your affectionate  
 son  
 John

all. For the next  
 thirty days I will  
 be confined to bed.  
 I am, Sir,  
 Yours truly,  
 J. M. Smith



187-  
 fa. the home  
 place has  
 road -  
 Manchester - with it  
 my but people  
 Canyon is park -  
 Call on the  
 from the  
 far from them  
 from the

I am an unhappy man  
 16-unhappy unhappy (2)  
 all the unhappy  
 On the unhappy  
 place do unhappy  
 to unhappy with  
 the unhappy & good  
 the unhappy  
 of time unhappy  
 spent on unhappy  
 the unhappy

I have been thinking much of late  
 of your generosity in  
 not in your ability  
 of this world. I am  
 sure to find  
 you will be able  
 of my work and the  
 cause of the world.  
 The full of the  
 living me a gift  
 from now -

Mini adoption of  
 the Black Van-  
 tette and the  
 streamer way more  
 to strike while the  
 iron is hot.  
 You must accept this.  
 I have not been  
 telling any man  
 from your my feet.  
 Hoping you are  
 well. Write me in the 1885.

Copy

London Oct 7. 79

My dear Edison I have been on the way back so constantly lately that I have had little time to write and knowing that E.H.J. has kept you fully advised as to general matters I have rather confined myself to reporting results which after all are the most important.

I confirm Cable of today. "Power Atty insufficient consummate Lancashire extension money is ready Cable the following to Quakphone N3 I authorize Gouraud to sign necessary papers for the Lancashire extension"

I shall look for reply tomorrow as a meeting of the Board has been called for 4 P.M. to execute the papers and the lawyers have only just now discovered that my Powers are insufficient. I will send you copy of supplemental agreement No 2 by next mail - The thing has been carried out exactly on the plan I first reported viz an extension of the London Co to the City of Lancashire under existing agreement *Mutatis mutandis* They paying for the concession a further sum of £10000 advance royalty - The shares for this have been

2

placed half in L-pool 1/4 in Manchester  
 with the very best people. Glasgow is ~~practically~~  
 practically on the same basis as the  
 draft forwarded you from there some  
 time ago. I have arranged now to im-  
 register all the District Cos on one  
 uniform plan so as to have to deal  
 only with the shares and avoid the frightful  
 amt of time hitherto spent over negotiating  
 the terms of contract. If you are only sold on  
 great reliability of instrument I am sure  
 to please you with the result of my end of  
 the line. The Bell & Co are giving me a tight  
 run now since the adoption of the Blake transmitter  
 I am straining every nerve to strike while the iron  
 is hot. You must realize that I have not been letting any  
 grass grow under my feet. Hoping you are well

Believe me

Ever Yrs

J. E. G.

An agreement made the Eighth day of October 1879 between Thomas Alva Edison party of the annexed agreements of the 14<sup>th</sup> day of July 1879 and the 1<sup>st</sup> day of August 1879 of the one part and The Edison Telephone Company of London Limited hereinafter called the Company of the other part. Whereas the company has been duly formed and registered one of the objects mentioned in the Memorandum of Association being to adopt and carry into effect the said annexed agreements subject to any modifications in either or both of the said agreements which might be agreed upon between the Company and the said Thomas Alva Edison. Whereas the Company and the said Thomas Alva Edison are desirous of modifying the provisions of the said agreements to the extent only and in the manner hereinafter appearing and not further or otherwise Now these presents witness And it is hereby agreed as follows;

- 1 No District Company shall be formed under clause 11 of the said agreement of the 14<sup>th</sup> day of July 1879 for or within the parliamentary Boroughs of Manchester Liverpool or Birkenhead or any other Borough situate wholly or in part in the County of Lancashire.
- 2 The Company shall pay to the said Thomas Alva Edison the further sum of ten thousand pounds by way of advanced royalty in respect of the Boroughs so taken out of clause 11 such sum shall be

paid on or before the 15<sup>th</sup> day of November 1879 and all the provisions of clause 1 of the second agreement as amending clause 4 of the first agreement shall apply mutatis mutandis to the said sum of ten thousand pounds in like manner as to the original sum of five thousand pounds such sum of ten thousand pounds being a payment by way of advance on account of royalties like the original sum of £5000.

- 3 - The Company will on or before the first day of November 1879 obtain subscriptions for one hundred and fifty shares representing further capital to the extent of £15000 - Seventy five of such shares to be offered to persons applying for the same resident in or near Liverpool.
- 4 The parties hereto will respectively execute any further document which may be necessary for giving legal effect to the above conditions

In Witness whereof the said Thomas Alva Edison and two of the Directors of the said Company have hereunto set their hands the day and year first above written

Witness for  
T.A.E. J. L. Griffin

T.A.E.



(written on paper with  
Lancaster Telephone Co. name  
to)

Oct 8 28

To the above named Company

I hereby certify that  
before the payment of the sum  
to the said Co. in pursuance  
of the agreement, this day  
made in presence of the following  
Magistrate of Lancaster, I will  
at Mr. Thomas, representative to  
the said agreement, I  
have the same to you.



To, The A. Edison Esq.  
Monte Park  
New Jersey

NOTE

FROM GEO E GOURAUD.  
6 LOMBARD STREET E.C.  
LONDON. 2<sup>nd</sup> Oct 1879.

we struck a tremendous snag yesterday when we came to execute the Panacheis Agreement for which a Special meeting of the Board had been called <sup>in order to give authority and settle some questions</sup> ~~it was~~ <sup>it was</sup> found that my powers were not ample enough to allow of enforcing the Agreement on your behalf. This failure was full of danger in as much as although the Share Capital had already been applied for in Manchester and Liverpool this was done immediately after our campaign down there with Johnson some weeks ago but owing to the delay in getting the Agreement drawn by reason of the absence of the lawyers on their vacations it has only been practicable to commence matters at this comparatively late date. Meanwhile the Bell Coys have been making such tremendous efforts in Liverpool & Manchester and even <sup>have our full force</sup> ~~now~~ <sup>now</sup> there of which Johnson advised you fully. They have succeeded in getting a large number of subscribers as the effect of which has been rather to weaken the enthusiasm of some of the gentlemen who subscribed to our Share Capital and any unreasonable delay in allotment <sup>constitutes a legal cancellation of their</sup>

obligations to take them up, just as the  
matter was about to be alluded to. I have  
sent a further Power of Attorney which he  
received from you as your signature to the  
Document he obtained it & carried to me  
that the power you have given me under  
my Deed of Assignment and authorizations  
as your Agent would cover the ground.  
I therefore introduced the address the ladies  
read an extract from it which was  
considered sufficient by the Board to enable  
me to make the execution of the contract by  
me upon my personal undertaking to get  
your signature to the Original pending  
the receipt from you of a Power of Attorney  
ample in the case. I now enclosed enclosed  
Duplicate of the Original that I have signed  
This you will be good enough to sign  
in the usual way and have witnessed by  
the Protest Comrs and return by first  
post. I hold the Duplicate of this duly executed  
by the Comrs but payment cannot be made  
until the signed Document is received back  
from you as you will see by the letter I have  
signed and of which I enclose <sup>two</sup> copies.

W. E. Lawrence

## NOTE

To. *Thos. A. Edison Esq.*  
*Manh. Park*  
*New Jersey*

FROM

*Geo E. GOURAUD.*  
 6 LOMBARD STREET E.C.

LONDON 9<sup>th</sup> Oct 1879

The Supplemental Agreement of August  
 1<sup>st</sup> was executed by me in your behalf  
 but in as much as the ~~Co~~ has your  
 personal execution of the original the  
 Solicitors seem to think your personal  
 execution of the Supplemental is necessary  
 I think I sent you some time since a  
 parchment copy of this. If so execute it  
 and witnessed in usual manner before  
 Noted Council. If I did not send you a  
 parchment copy execute the enclosed and  
 return in course and safe

*G. E. Gouraud*

MANAGER & SECRETARY.  
ARNOLD WHITE.

*The Edison Telephone Company of London, Limited.*  
*Mansion House Chambers,*  
*Room 2013,*

*11, Queen Victoria Street, E.C.*  
*London Oct 11. 1899*

T. A. Edison Esq.

Menlo Park, N.J. USA

Dear Sir,

I have to acknowledge the receipt of your letter of 22<sup>nd</sup> ult., relating to the Smith board, and the new instruments.

The Directors are not particularly impressed, with the measures in which Messrs. Adams & Co. have protected your interests under the English Patent law, and it is not therefore proposed to trouble that firm in connection with the Smith board.

I am, Dear Sir,

Yours faithfully,

Arnold White

*Wm. A.*

To. *Thos. A. Edison Esq.*  
*Nicol's Park*  
*New Jersey*

NOTE

FROM

Geo E. GOURAUD.  
6 LOMBARD STREET E.C.  
LONDON E.C. 4th Oct 1879

Glasgow Company - I forward you herewith  
preliminary Agreement with London Telephone Coy of  
Glasgow Limited, which I have executed under my  
Power of Attorney but which for the sake of extra  
precaution I forward for your individual execution.  
So that at least in that case there should be  
no trouble when we come to put the thing into  
final shape. I think you will be pleased with  
it. It has cost me a good deal of trouble to harmonize  
all the interests but I think we may take it as  
establishing a precedent that we can form  
District Companies. I am now having prepared  
by Counsel a general form of District Coy. Agree-  
ment and as soon as it is ready I shall proceed  
immediately with the registration of all the  
District Companies and then deal only with the  
share so as to put an end to those interminable  
negotiations. When I first began this Glasgow  
business they struck out about nine tenths  
of the whole thing but after repeated journeys  
to Glasgow and numberless interviews with the  
people proposed to be interested I succeeded in  
getting them all back again. Sign this, and  
also a duplicate which I will forward by

inist mail and have them both witnessed  
before the District Council. Return them to me  
by separate steamers so as to provide against  
the contingency of the possible loss of one. When  
the first has been actually mailed cable me  
(Menapark London) the word Glasgow. I will  
forward you for your records a duplicate copy  
of the Document signed here.

I have secured the very best people in  
Glasgow for this business and conducted it a great  
victory.

C  
Wm. L. L.

Glasgow



New York October 13<sup>th</sup> 1879.

J. A. Edison Esq.

Marble Park N.Y.

Dear Sir: I expect the time is drawing near when you wish to receive my letter from Mr. Eldred, as per request. I spoke to Mr. E. the other day in relation to it, and he said he should be very much pleased to give me a note to you, but he said that he did not like to say that he knew me to be a practical Telephone man not having known me in a practical relation, yet they have confidence enough in my ability in that direction to make me manager of an office soon to be opened up on Broadway, &c. I think it possible they would as soon I would stay here as go over there. Having been in Boston and vicinity since seeing you, I did not see Mr. Barton in time to get a letter (after seeing Mr. Eldred) before he started on his trip, however I am personally recommended by Mr. Walker Esq. and others, and think I can meet your requirements in the other direction. please write me what you

think of the matter, and give me details of your  
proposed arrangements, for and during the trip.  
Awaiting which, I am,

Very truly yours,

Verpflichtung

F. E. Kinsman.

# 195 Broadway New York

*2. 11. 1912*

2000

1895

... ..

1890

is a little more than 1000 ft. in length.

1891. 1892. 1893. 1894. 1895. 1896. 1897. 1898. 1899. 1900. 1901. 1902. 1903. 1904. 1905. 1906. 1907. 1908. 1909. 1910. 1911. 1912. 1913. 1914. 1915. 1916. 1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. 1926. 1927. 1928. 1929. 1930. 1931. 1932. 1933. 1934. 1935. 1936. 1937. 1938. 1939. 1940. 1941. 1942. 1943. 1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 2527. 2528. 2529. 2530. 2531. 2532. 2533. 2534. 2535. 2536. 2537. 2538. 2539. 2540. 2541. 2542. 2543. 2544. 2545. 2546. 2547. 2548. 2549. 2550. 2551. 2552. 2553. 2554. 2555. 2556. 2557. 2558. 2559. 2560. 2561. 2562. 2563. 2564. 2565. 2566. 2567. 2568. 2569. 2570. 2571. 2572. 25

1890

[illegible]

174

*[Faint handwritten notes at the bottom of the page]*

1. *Phragmites australis* (Cav.) Trin. ex Steud.  
 2. *Scirpus americanus* (L.) Pers.  
 3. *Eleocharis acicularis* (L.) Rostk Schmidt  
 4. *Sagittaria arifolia* (L.) Link.  
 5. *Alisma plantaginifolia* (L.) Rostk Schmidt  
 6. *Sparganium angustifolium* Michx.  
 7. *Najas* sp.  
 8. *Chara* sp.  
 9. *Utricularia* sp.  
 10. *Hydrocotyle* sp.  
 11. *Salvinia* sp.  
 12. *Wolffia* sp.  
 13. *Utricularia* sp.  
 14. *Hydrocotyle* sp.  
 15. *Salvinia* sp.  
 16. *Wolffia* sp.  
 17. *Utricularia* sp.  
 18. *Hydrocotyle* sp.  
 19. *Salvinia* sp.  
 20. *Wolffia* sp.

1. The first part of the document is a list of names and addresses, which appears to be a directory or a list of subscribers. The names are written in a cursive script, and the addresses are listed below them.

5. *Volcanic Dunes on Blenheim* 11/11/1914

...the ...

old Long Lake

After 10 days we were to get a letter (after leaving)

von Glaser, Lehrer der Statik an der Polytechnischen Schule in Wien

[illegible]

Afterwards, I have been thinking of you  
much from your newspaper.

As the other members of the party were not so fortunate as to find the same, they were obliged to return to the city.

To

Thos. A. Edison Esq.  
Menlo Park  
New Jersey

NOTE

FROM

GEO. E. GOURAUD.  
6 LOMBARD STREET E.C.  
LONDON. W. 1<sup>st</sup> Oct 1879

My Dear Sir

1  
G. E. Gouraud has requested  
me to forward you the enclosed copies  
of letters received from Renclaw & Renclaw  
his collectors

Yours truly  
Samuel Insull

London S.C. 20<sup>th</sup> September 1879

Col. Gouraud.

Dear Sir,

William Butcher

We have ascertained that a person of this name was discharged from Newgate on the 19<sup>th</sup> of this month - His description is as follows:-

A widower, well educated & English, in height about 40 years of age, grey & bald with mole in forehead, broad shouldered and military looking and dressed in serge suit. He was committed from Guildhall charged with forgery.

Yours faithfully

Renshaw. Renshaw

2<sup>nd</sup> October 1879

Col Gouraud

6 Lombard Street S.C.

Dear Sir

William Butcher

Upon further enquiry we find that the person had an office in King William Street S.C. & was the representative of Messrs Samuel Butcher & Co of Sheffield. Butcher

2/ was arrested at the Charming Cross Hotel  
 on a charge of forging his mother's name to  
 a Promissory Note for £200. The collector  
 to the proccution and Messrs Duffield &  
 Duty of 6 Tokehouse Yard. The mother did  
 not appear against her son and he was  
 remanded on his own recognizance in  
 £200. Butcher's mother resides at Liverpool  
 & Butcher was generally to be found at  
 Bailey's Hotel South Kensington

Yours faithfully  
Renshaw & Renshaw

men's Park St.  
Oct 14 79

E.H. Johnson

to Edg

Idea just struck me  
Up to the time of filing of the  
Proc & Proc the microphonic  
beg had not attained to  
the dignity of a diaphragm

2<sup>d</sup>

Blake and all these nice people  
in our pot-ofs have been rfd to  
my older 77 Pata as prior to their  
brilliant scintillations.

3<sup>d</sup> One folks over there ought to  
throw 3 or 4 retainers out to some of  
best pot men there. I have a letter somewhere  
from him, was asking me to do something  
for some relation of his who was greatly  
interested in financial prosperity of the  
upon at the time by the folks  
Bill Tel Co. So fellows there  
get apts with some of those by leaving notes to  
get them interested in C Tel by leaving notes to  
so that when time comes they will be good to report  
to call in a contract.

As notify us the days you  
receive our shipments of tele.  
Want to see how much time it  
takes from M<sup>o</sup> to Victoria B<sup>c</sup>

I suppose you can get those  
month p<sup>er</sup> done in London cheaper  
than we can here as all box  
wood here is imp<sup>t</sup> for London

I do not think that box wood  
is essential almost any porous  
wood would do. Cedar, dogwood  
etc. G<sup>o</sup> & S & Ball Tel Co have  
come together. G<sup>o</sup> & S has priv  
times Ball Tel Co Exchgo. G<sup>o</sup> & S gets  
20% reds for exchgo - this is the  
biggest with W U ever make  
but trouble was some of those fellows  
over there got calls on Ball Tel stock  
& wanted to bring it about & you  
know my sources of info are jolly much  
reliable than theirs -

Very  
The last 20 units sent you every time as it came from  
trunk was absolutely the same load as our old  
character which was as good as our old  
trunk - we are taking in more than

T. A. EDISON.

(Oct. 14. 1879)

Menlo Park, N. J., \_\_\_\_\_ 18

I have been reading English patent  
decisions & find that they construe  
patent very liberally to imitators.

Can any reference be found  
previous to my patent in which  
sounds waves were translated  
into electric waves of  
corresponding character as to  
pitch & quality, = I say no -

Can 'Oscarac' claim it, I say  
no because it might have been  
known since the flood that  
Carbon or other finely divided  
matter varied its resistance  
by pressure. In the same way  
as moving a plate in front  
of a permanent magnet was  
known previous to Bell.



T. A. EDISON.

Menlo Park, N. J., \_\_\_\_\_ 18

2

but I applied the properly  
of finely divided conductors  
to translate sound waves  
into electric waves,  
and produced a practical  
invention, and it has nothing  
to do with the case who was  
the discoverer of the fact  
that Carbon varied its resist-  
ance by pressure. ~~It is a~~  
I speak a

Induction coil. I speak of  
using the coil ~~in~~ in  
connection with this Carbon  
transmitter, ~~in~~ in the  
provisional. Now there is,  
only one practical way to  
use this coil and when I  
have completed my invention

T. A. EDISON.

3

Menlo Park, N. J., \_\_\_\_\_ 18

I show how I apply it.  
I do not understand that  
the provisional patent is to  
be full, its only a provisional  
statement of what the  
patent is to be a brief  
so to speak,  
No person has used this  
coil in connection with a  
Carbon transmitter or a water  
telegraph. In fact the water  
telegraph cannot be practically  
used in connection with it,  
or in fact can it be used  
practically at all, it  
is an unoperative invention,  
With the Carbon transmitter  
it is essential that the  
coil should be used

T. A. EDISON.

4

Menlo Park, N. J., \_\_\_\_\_ 18

And I say in the provisional  
that it was to be used in  
well known manner;  
I effected a combination, one  
of a well known thing &  
the other a new thing in the  
art, \_\_\_\_\_

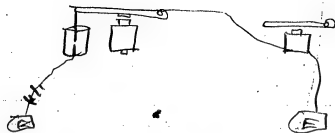
In Bell's patent. you say he  
mentions "that Electric  
indulation may be caused  
by alternately increasing &  
diminishing the resistance  
of the circuit. or by alternately  
increasing & diminishing the  
power of the battery =  
He shows no means! The  
bare statement is well  
known in the art. that you  
can produce electric induction

T. A. EDISON.

5 -

Menlo Park, N. J., \_\_\_\_\_ 18

by increasing & decreasing  
the strength of the battery  
a method of doing it  
is shown in my <sup>U.S.</sup> patent - No 141,777  
of 1873



~~The Bell people cannot set  
up the claim that to  
vary the resistance of the  
circuit by sound waves~~

~~acting in a purely electrical circuit~~  
is not new.

You say that 'Charles' Hughes  
Sr W. T. will testify  
that the very principle of  
varying resistance by variable  
pressure on carbon is not new.  
In the first place, that has  
nothing to do with it, in  
the second place, they cannot  
produce any printed publication  
of the fact before my application  
and if I understand the English  
patent law right. One cannot  
go back and take testimony  
of who was the first to conceive.  
I understand that only a  
printed publication can be

Cited against the patent,

The whole effect of varying  
the resistance with carbon  
is due to ~~var~~ a variation  
in strength of surface pressure.  
One can hardly design a  
machine without this taking  
place - See Richards  
letter sent in pkg by  
Express.

You say that if the broad  
principle of varying the  
resistance of the circuit by the  
voice has to be given up.  
Etc., Now varying the R by  
the voice by means of water  
is of no earthly value,

T. A. EDISON.

Menlo Park, N. J., \_\_\_\_\_ 18

8.  
It could be given up without  
the slightest harm, 2nd. As  
a patent is a contract between  
the inventor & the public pure  
& simple, the law says that  
you must ~~put your idea~~ embody  
your idea in mechanism, describe  
it ~~clearly~~ by which to carry out  
your ideas. (The idea we cannot  
allow you a patent for) but  
if you will embody it in material  
form we will grant you a  
monopoly for that form, and to  
enable us the public to make  
your invention after the expiration  
of your monopoly you must  
give us sufficient information  
as to design of mechanism  
in your contract to allow  
our skilled workmen in that

T. A. EDISON.

Menlo Park, N. J., \_\_\_\_\_ 18

9  
line of business to  
carry it out, we make it,

I read we are English decisions,  
that an experiment in war was  
tried in a laboratory at a  
certain time, some time afterward  
an inventor worked out a process  
in all its details, and after  
many years put it in practice  
it proved a great success,  
but it got into Court, <sup>by infringement</sup> and  
the Court decided that  
<sup>that unknown long dormant</sup>  
as <sup>an</sup> ~~was~~ laboratory experiment  
could not be cited against  
a ~~common~~ practical  
indication to practice,

your first and 2nd question  
put to the lawyers. I believe,  
should be answered 'no', and I  
am backed up in this opinion by  
the liberal construction of patents  
in the English Court, such a  
mere allusion cannot act against  
prejudicially against one who  
clearly works out & practically  
a method & clearly set it forth  
in his contract with the public,

You say that the temporary  
reply is that such device  
can only be patented as a  
device. Even then, there is  
the claim of varying the resistance  
by an electric tension regulator  
(16) Carbon, peroxide lead, Zymmer  
Copper, or semi-conducting material  
all already set forth in the provisional

T. A. EDISON.

Menlo Park, N. J.,

18

11

Suppose the worst, that we  
were to be kept narrowed down  
to varying the resistance the  
use of semi-conductors manipulated  
by diaphragms. There is no  
other known way of effecting  
the variation in the resistance  
so as to make a practical  
telephone, hence even this  
claim of varying resistance  
by "agitating" (that's a clear word)  
a semi-conductor forming part of  
a circuit. By a diaphragm  
would cover all that is  
practical and of value.

Anything that an Expert  
may testify as to how or  
the principle upon which  
this or that thing works

does not & cannot alter the fact, that a semi-conducting material forming part of a circuit when agitated by a diaphragm, varies the resistance & this is clearly shown both in my provisional & full specifications in fact  $\frac{9}{10}$  of the provisional is a reiteration of this fact,

A piece of semi-conductor (I mention several) may be arranged in a million ways so that the sound waves can act upon it to agitate it, but no matter how it is agitated there will be a disturbance at the surface contacts and this will translate the

sound waves; no instrument ~~that~~ can be designed that works but what the effect will take place;

I cannot for the life of me see how any patent lawyer can for an instant suppose & assert after a careful analysis of this patent that the instrument called a microphone is not the Carbon telephone, take the Blake Microphone, make an analysis of this reduce it down to the simplest possible form & you will find that it is the Carbon telephone exactly the only difference

14

You have a bed piece on which  
 in the carbon this is connected  
 to the circuit on the carbon is  
 a piece of platinum on a spring  
 & this forms the other pole of  
 the circuit there is a prolongation  
 of the platinum towards the diaphragm  
 and the diaphragm presses  
 the two poles of the circuit  
 together, now the platinum  
 toward the diaphragm could  
 be wavy for that matter or  
 that need not be any  
 prolongation. The plating  
 point on the spring could be  
~~made~~ have a  $\frac{1}{32}$  inch fact  
 is a  $\frac{1}{4}$  inch force that is  
 a thing of mere proportion  
 if it was a  $\frac{1}{4}$  of an inch

T. A. EDISON.

15

Menlo Park, N. J., \_\_\_\_\_ 18

force you would have over  
 transmitting, hence the microphone.  
 Consists in my Carbon filament  
 with narrowed electrode, or  
 electrodes on the surface of  
 which there are fewer points  
 to be brought into play  
 in transmitting, ~~if we could~~  
~~make a  $\frac{1}{32}$  inch~~ Look through  
 the old volumes of the  
 English Mechanic see the  
 best of things called  
 microphones, some of the  
 designs are on carbon  
 transmitting precisely and  
 are made probably by men  
 who are or were entirely  
 ignorant of the Exclamation  
 of our patent or invention,  
 they call it a microphone

You ought to have good  
lawyers in this case &  
I suppose you have,  
~~but there are~~ but.

If my Combination claim  
in any patent is good  
then our claim of the  
Combination of the Semi-Con-  
ductors with the induction  
coil is good — I say in  
my professional.

"These are transmuting  
or eddy instruments  
are applied to single or  
multiplex telegraph, the  
connection through

The wheelstone bridge or  
the induction coils being used  
in the well known way.

~~Now if I had not made~~  
~~the combination~~  
Of course they new  
instruments were connected  
to the induction coil in  
the well known way.  
but here was a combination  
nevertheless, as the thing  
that I connected to the  
induction coil was new,  
& I effected a new combination  
but I effected the combination  
in the well known way  
The public could not have  
made any connection in



well known way as they  
did not know of the existence  
or have one of the elements  
of the combination —

These are rough notes  
only as they fly through  
my head. and are for  
your own information,

The more I read that patent  
~~209~~ 2909, the better  
I think it is & the better  
I think it will stand  
in the English Courts.

T. A. EDISON

Menlo Park, N. J., \_\_\_\_\_ 18

191

One thing I would like to  
know in disclaimer  
Can you alter the  
phrasing of your  
claims add & take  
from,

Oct 14/1889

Edison. To Johnson  
about Company transmitter

of which I know & want to  
know in case of  
the other  
of which I know & want to  
know in case of  
the other

To.

*Thos. A. Edison Esq.  
Menlo Park  
New Jersey*

NOTE

FROM

Geo E GOURAUD.  
6 LOMBARD STREET E.C.  
LONDON. 15 Oct 1879

*My Dear Edison*

Enclosed herewith Copy of Agreement  
between the Edison Telephone Company of London  
Limited and Mr. E. H. Johnson.

I forward the same post copy of  
"Engineering" and would draw your attention  
to leading article on page 287, entitled "The  
Physical Alteration of Metals," which is written  
by Conrad W. Cooke

*Yours very truly  
Geo E. Gouraud*

# 3 over

Oct 15, 79

Cable

2uephone London:

Thirty five more today.

6 Minot Park Oct 15, 79

1014 pm

9 C9

4

Cable Oct 15-29

Phonos:

London

How's chalks: <sup>ten weeks' work</sup> ~~two months' work~~  
show not slightest diminution,  
shall send outfit for moulding  
turning —

17/mentol Park 19 Oct 15

1015

29. Cc

| NOTE                                                                     |                                                                                                        |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| To. <i>Thos A. Edison Esq.</i><br><i>Mento Park</i><br><i>New Jersey</i> | FROM <i>GEO E. GOURAUD.</i><br><i>6 LOMBARD STREET E.C.</i><br><i>LONDON. 16<sup>th</sup> Oct 1879</i> |

My Dear Sirs,  
Glasgow Agreement. I enclose herewith  
duplicate copy for your execution in  
accordance with my letter to you of the  
12<sup>th</sup> inst.

Yours very truly,  
*G. E. Gouraud*

To. *Thos. A. Edison Esq.*  
*Monks Park*  
*New Jersey*

NOTE

FROM *Geo E. Gouraud.*  
*6 LOMBARD STREET E.C.*  
*LONDON. 16 Dec 1879*

My Dear Edison

Referring to my letter of the  
15<sup>th</sup> enclosing copy of contract between the  
Edison Telephone Co. of London and Mr & G.  
A. Johnson, I would call your attention to  
the fact that this contract relieves us - you  
and me - <sup>to much of</sup> our contract. The remainder  
as applies to percentage of royalties is being  
put into the form of another Contract which  
will be forwarded to you in the course of a  
day or so

Yours very truly  
*Geo E. Gouraud*

[FROM EDWARD H. JOHNSON]

✓  
Labe

Oct 16, 79.

2:50 PM.

Erison

men's Park

① Played new lot OK  
sent Extra chains for  
push button old way

14 London  
2.9



**Western Union Telegraph Company,**

Operating Dept

195 Broadway N.Y.

October 16<sup>th</sup> 1899

Dear Sir

Learning that you are about employing agents for Telephonic Exchanges in England, My friend W. M. Carlan, with whom you are acquainted, advises me to write you for particulars.

I have been in the Telegraph business for over fifteen years; and am therefore well posted. To show you the position I hold in this office I would state that I have been working the Chicago Line for over a year. And am well acquainted with the English mode of doing Telegraph business generally. Could furnish first class papers as to trustworthiness in every respect. Would be glad to hear from you soon if not asking too much.

W. L. J. Griffin  
Secy.

Respy. H. W. A.

S. BERGMANN,

No. 100 WOOSTER STREET,  
MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Phonographs, Telephones, Holographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, Oct. 16, 1879  
My dear Edison:

This will introduce  
to you Mr. Otis who has been a  
leading inspector with the Bell  
Toll in this city.

If you need any more for  
England, he is a first class  
man for Mr. Johnson. He  
will explain himself.

Yours truly,  
S. Bergmann

MANAGER & SECRETARY.  
ARNOLD WHITE.

Thomas A. Edison Esq.  
Menlo Park.

Dear Sir,

The Company are in receipt of 16 instruments  
to hand yesterday, and the witnesses were much  
gratified at the superiority of their performance  
over that of any previous shipment.

I am instructed to enquire whether you  
will have any objection to the Company ordering  
(say) one dozen instruments from Messrs. Meiskind  
& Co, with a view of testing the capacity of  
English manufacturers, for the construction of your  
telephones.

I have to acknowledge your cable notice  
of yesterday's date as follows:-

"Thirty-five more today"

I am, dear Sir,

Yours faithfully,

Arnold White  
Manager.

have no objection  
written if we  
it is satisfactory  
the terms of the  
For I shall be  
But I shall be  
order must be  
Because the  
Certain that  
not ask the  
have to be  
up to the  
next week  
can. The  
over the  
It is the  
the completion  
order. Can  
now as I  
1897

TAE

2

Oct 17 74

Phonos London

Can hereafter make instrument  
 as loud as old wooden box if  
 you will use new push button  
 and interrupt with bell, otherwise  
 powerful knock of push  
~~button~~ tears chalk, answer

-9

3-  
C-H

4 Cable

Oct 17 74

Phonos. London

Dont answer Telegram  
 got device obviate, learning  
 chalk.

118 Menlo Park N.J.  
 Oct 17

5 PM  
 2-10

1 Cable Oct 18, 79  
7<sup>30</sup> am

Edison  
Mines Park N.Y.

All inoperative vital  
suggest temporary  
resurrection today send  
new device first steamer  
Phonos

15 London  
m. 4

Phonos

London

~~Knock~~  
~~Griffiths of the Knocks Knocks~~  
owing resistance ~~regular~~ regular  
transmitter, powerful knock  
eventually destroys chalk, louder  
chalk quicker destruction,  
we always used new push hence  
big unexpected. Temporary  
expedient, new push, reverse  
Chalk holder polish ~~new device~~  
new groove, <sup>gradually</sup> new device allows  
interruption merely weakens  
~~Knock~~ Knock.

45 Mines Park N.Y. Oct 18, 79  
17-55  
21-102

Oct 20, 79

635 am

Cable

Edison Menlo Park

Cable brief observations  
on patent report.

(Paris Combination closed  
your share fifty thousand  
dollars)

Hendon  
79

22 cables. Quephone London Oct 20 24  
After reading Johnsons book consider his  
report sound except perhaps combination  
claims induction coil. In provisional I speak  
of combination of transmitter with coil.  
in final specification I more fully  
describe combination <sup>the</sup> words will  
known ways means circuit contacts  
in primary. This point will bear  
my analysis,

30 miles 2000 ft. Oct 20  
pm  
ly-ac

London Oct 21/79  
My Dear Edison

You must send me 2 Clock  
work instruments the first moment  
you can manage it. We have  
agreed with the Times to do a  
job for them in which the Clock  
work is absolutely indispensable  
viz: Dictate to a Composer -  
We must do this ere Parliament  
meets again. The Times has been  
good to us - & it is a power  
we cannot - in fact dare not  
ignore - You must let me have  
them at once - no matter  
what sort - whether weight or  
spring. The Times has put in  
your pocket thousands of  
pounds - To do this thing for  
them will give us another  
big leaden - & be a big help  
in the District Organization  
I'll do it.

Now my Boy - about the Ball  
Bells - I have gone through  
the Battery business, and I  
find I cannot ring the Bells  
& work the Annunciator well  
without ~~the~~ at least 8 small  
lectanche Cells - and even  
then they sometimes fail.



2

This makes my Battery power  
Cost too much - & cumber  
the office too much -  
Beside it has been found that  
these small cells are unreliable  
- a little thing runs them down  
quickly =

I would prefer a switch & cut  
out the Induction Coil - if by  
that means I may use less  
number of ~~Batteries~~ and  
larger cells. What do you  
advise -  
Rose tells me both the Bell Co  
and the W.H. have given up  
Lacanche & gone back to  
Caland - is this so? - He says  
the Caland has been found to  
be more reliable -

Mouth piece

I enclose diagram & measurements  
They may be made of any hard  
wood that wont split - & that  
dont require to be painted -  
An improvement would be to  
cut a slit in the under side  
near the outer edge for escape  
of spittle - thus protecting the  
Chin of a speaker -

A meeting on now discussing  
the agreement with you in re  
to Dist. Companies. Root = Will  
drop you a note later as to result  
- send only good men to me - They  
must be engineers of Dist. Companies

Just as good work in  
the Switchboard  
Old man in  
Hearse. Bergman  
Telephones has in

London Eng Oct 21/79.

My Dear Batch.

I am in a nice pickle. The new  
Batts. are no good - in fact aint  
worth a damn - Everybody is greatly  
disappointed I cannot make them  
talk as loud as a magnet receives  
- And they refuse to be resurrected.  
The fact is you have not yet fully  
appreciated these facts: that Chalks  
play out quicker from non-use  
than from use - and that when  
once a chalk runs down it  
cannot be restored.

I believe that if a Chalk is  
made thoroughly good at first -  
then put into immediate use and  
used continuously - that is every  
day more or less - it is good for  
from 2 to 3 months - but if it is  
allowed to stand a fortnight it  
undergoes some change which  
renders it inoperative - This is  
the only explanation of the fact  
that you get them to work well  
in the Laboratory - as long as  
you choose to keep them up  
- but when you take them down  
& send them here, they won't work.  
I think the explanation of the fact  
that the former lot worked up  
after a little & then remained  
good is that they had enough  
oxygenation to out last the Swabs

If you have not done so, ere this reaches you - you must take a 70 hour pull on this thing - or neither you or I will ever be the "Bleated Roundholders" you talk about - in fact the whole bright ~~future~~ prospect will have fallen to the ground. Every hero in my anatomy will be strained to preserve a state of *Stupeo Quo* until you can have time to do this.

I am in receipt of your various letters, and am very glad to have the assurances they convey that what I am doing meets with the hearty approval of the Governor General.

I am in receipt of a letter from him asking me to look up the Mineralogical dealers. & especially to hunt up the metal Thorite - (or Thorium) - I'll him I have put it in the hands of a party who can & will make the investigation without giving it away that it is Edison who wants it. He shall have the information shortly.

Riff is in Paris - embalming Charles Edison - or rather looking to it that it is done - he will be here day after tomorrow - A very sudden

Affair that - Adams & Charlie  
 - now on the next in line -  
 - however ill by & preserve my  
 Physique by attending to work  
 instead of wasting my energies  
 on the unfruitful soil of  
 dissipation. That finished Adams  
 and on afraid in helped carry  
 off Charlie - He was too young  
 to come over here alone.  
 There is a Board meeting that will  
 finally conclude the Agreement  
 with Gouraud - Comprehending  
 the District Companies - If it  
 is done - You may look for the  
 rapid formation of District Cos.  
 As the whole London Board  
 will then be interested in  
 forming them -  
 The scheme is briefly this:

The London Board. has the Option  
 of subscribing  $\frac{1}{10}^{\text{th}}$  of the stock  
 of each District Company at  
 any time within 3 years - unless  
 the District Co. object - then  
 their Option is limited to 2 months.

Edison ~~receives~~ <sup>represents</sup>  $\frac{1}{10}^{\text{th}}$  of his advance  
 Royalty in the stock of each Dist.  
 Co.

Both Edison & the London B. agree  
 to hold their Dist. Co. stock  
 for 3 years.

4

I have agreed to ~~have~~ invest  
the same proportion of my cash  
that is to say  $\frac{1}{10}^{\text{th}}$  of my  $\text{£}500 =$

With this  $\frac{2}{10}^{\text{th}}$  of the stock and the  
voting power of Edison in the Disch.  
Co's - Edison & the London Co. have  
the absolute control of the Disch.  
Companies in case such control  
shall ~~be~~ need to be exercised.

This is what the London Co. have  
been fighting for -

You would see its importance to  
the Edison interest - i.e. his own -  
And has been fighting it, only  
in order to make the best terms  
possible - He has run pretty  
close to the wind 2 or 3 times -  
And I have been appealed to,  
And have responded by personal  
remonstrances with him -  
At first he was disposed to  
resent my interference but  
he soon found that the other  
side fully & fairly consulted  
& deferred to me - hence if he  
did not - he was prejudiced  
in my mind and consequently  
the information reaching me would be  
colored a little off. so he  
came round - and I am now

5 fully & freely taken into Conference  
by both sides. Consequently I  
know all that is going on -

If this Meeting this <sup>raises on the agreement</sup> P.M. finally led  
the discussion of details as to  
course there will be little  
discussion henceforth - as it provides  
for a common basis for the  
Organization of each Company

They have but one point of difference  
now. Viz. The Boundaries of  
the proposed Dist. Companies.  
I was called in last night to a  
3 hours discussion of this point  
between Giraud & Waterhouse  
and contributed my share toward  
its solution either in the right or  
wrong direction. At all events I  
want to see something concluded  
My year is slipping away -

Giraud has finally got my  
document back from his lawyer  
but has not yet signed it. He  
wants now to push in a provision  
whereby I agree to take 1/10 of my  
5% of Cash in stock of the Dist.  
Co. It's a little uneasy - but  
I told him I would consent  
to lie in the same bed with  
Edison - Whatever his Royalty  
did - mine would do. & so it

16  
stands. - perhaps by the time  
it is signed, the allies have  
found some other modification  
to put in.

No 72. to the Taking out of Patents  
for the European & intercolonial  
Territory given to Gouraud, I  
think is a wise move to  
put the cost of so doing on  
him.

No 72. to the irrevocable power  
to Gouraud. I think Edison will  
see the wisdom of my recommendation  
when he reflects upon the  
power he holds in the ~~British~~  
Companies & in the London Co.  
he practically controls the  
whole thing in England - & it  
is important that ~~he~~ he  
alone continues to hold it.  
He may with safety sign  
almost anything else - but  
if he wants to be made  
absolutely safe - he might  
have an understanding with me that  
he would only sign a paper  
when approved by a letter or  
cable from me. This would  
not be for the purpose of  
getting my judgment on it  
but for the purpose of getting  
the approval of a thoroughly

7-  
honorable and eminent legal  
Authority viz: Mr Waterhouse  
- with whom I am on perfectly  
Confidential terms - and who  
is the safest man in all England  
for you to trust <sup>with the disposal of</sup> your signature.  
(I mean Easium of course) -

If such an understanding had  
been had. I should have called  
him as follows:- ~~then~~

"Grant the cable request for  
Authority" =  
Or - when I sent on for additional  
power of Attorney subsequently  
and as I suspect asked that  
it should be made irrevocable  
on the ground that otherwise  
the 10,000 £ could not be  
collected - &c = I should have  
said "Sign but don't make  
irrevocable unnecessary"

If he wants this sort of surveillance  
he has only to say so - and  
I will undertake that he  
signs nothing but what is  
first approved by his own  
lawyer on the ground &  
thoroughly conversant with  
all the details -

Let me hear from you often  
It makes me feel less  
alone  
Ever yours

E. H. Johnson



Private My Dr. Patch.

Riiff and I have been discussing advisability of Cabling Edison not to convey Irrevocable power to G. and - but I have finally decided not to do so, but to rely upon ~~my~~ the warnings of my previous letters - The immediate occasion for it is this - G. has been compelled to obtain a broader power from E. Else he can collect the 10,000 £ from Lancashire - and I am confidentially informed G. is making it the pretext for again seeking to get from E. the Irrevocable feature upon the plea that this 10,000 cannot otherwise be collected -

I am informed by the Solicitor of the G. that an Irrevocable power is not only not essential, but its grant by Edison would be taken by the gentlemen of the Board as a personal affront - Since one of the main inducements held out to them to go into the enterprise was ~~that~~ the future of Edison's personal association on the board with them - This personal association becomes a sham - When Edison conveys his power to another - so as to place them beyond his ~~reach~~ Riiff has been put in

full possession of all the facts by me. and although he is a strong personal friend of Gouraud. He says I have done perfectly right in counselling Edison not to do either thing - the to it. that Edison understood that his not doing so will aid Gouraud in collecting the advanced Royalties rather than deter him from so doing. - And as to the further that these letters are acknowledged if only by a line to say that he (E) appreciates the situation & will govern himself accordingly.

Gouraud has not yet signed my Contract. Gave it to his Lawyer to examine - & now says his Lawyer has mislaid it. I have put the original paper in the hands of an Waterhouse who put it in due legal form for me and it is this revised paper that is now in the hands of Gouraud's Lawyer. When he opened I had got Waterhouse to put it in shape for me. He came to town quick - pronounced it entirely correct the main - & merely submitted it to his Lawyer for approval. I shall ask Waterhouse to call upon him for it, if it is not found

Edison  
Gouraud  
Waterhouse  
Lawyer  
Gouraud

Copied

Col. Gouraud

London 21<sup>st</sup> Oct 1877

6 Lombard Street E.C.

Dear Sir

we have been directed by Mr R. Franklyn of 16 Philpot Lane to write you and say please for doing so.

We shall be glad to accept Mr F. A. Edison's order for passages from New York to London by two steamers for any number of persons he may desire to send to this country. The rate will be £10 each adult net.

The steamers sail every Saturday and our New York house (Messrs Henderson Bros & Bowling Green) have been advised by the mail to accept Mr Edison's order. The passage money to be paid in London on receipt of names of the passengers in whose favour orders have been accepted.

We remain, Sir

Your obedient servants

Signed

Henderson Bros

Anchor Lane

[FROM GEORGE E. GOURAUD]

3

Cable

Oct 21, 79

840 am

Eaton Mendo Park

Yes but pass papers  
through my patent agents  
here Expedite inspections

London  
Hog

To. *Thos A. Edison Esq.*  
*Monte Park*  
*New Jersey*

NOTE

FROM

*Geo E. GOURAUD.*  
*6 LOMBARD STREET E.C.*  
*LONDON. 22<sup>nd</sup> Oct 1879*

My Dear Edison

I confirm receipt of following cable  
from you:-

"Answer if Chas. takes patent  
in countries mentioned your  
expense"

In reply to this I sent the following:-

"Yes but pass papers through my  
Patent Agents here. Expedite inspection"

My reason for asking that the matter  
be attended to by my Patent Agents here is  
that I wish to avoid the repetition of such  
a state of affairs as depicted in Johnson's  
report. in connection with English Pat.

Inspectors. I have made arrangements  
with the "Anchor Line" to bring them  
at £10 each passage payable here. I enclose  
a copy of their <sup>(Advertisement 1879)</sup> letter from which

you will see that all that will be<sup>2</sup>  
required is an order from you to  
Messrs Henderson Bros of Bowling Green  
I think this will simplify matters  
and save ~~both~~<sup>you</sup> trouble and expense.  
Johnson has I believe given you fully  
to understand that the men sent must  
be able to set up an exchange and  
work it properly - in fact capable of  
undertaking the duties of Telephone Engineers  
Messrs Wholtzman and Crawford arrived  
here this morning.

*W. E. Henderson*

MANAGER & SECRETARY.  
ARNOLD WHITE.

*The Edison Telephone Company of London Limited.*  
*Managers House Chambers,*

*Room 27 B3.*

*11, Queen Victoria Street, E.C.*  
*London.*

*18.*

Edison  
That thing is closed  
OK. - I just got this  
& send this after  
my letters -  
Your husband is happy  
& so am I  
E. W. J.

## NOTE

To *Thos Alva Edison Esq*  
*Menlo Park*  
*New Jersey*

FROM

GEO E GOURAUD  
 6 LOMBARD STREET, EC.  
 LONDON. 23<sup>rd</sup> Oct 1879

My Dear Edison

Do not fail to forward the 500  
 instruments ordered especially for Dist  
Companies & Foreign Countries under  
 separate cover & invoices to me or  
 else I may have trouble to get them

Yours very truly  
*G. E. Gouraud*

This 500 must be the second  
 order after the completion of the first  
500 for London Co.



HASAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London, Limited.  
Incorporated in England.  
Registered Office: 11, Duren Victoria Street, E.C.4.

London Oct 23<sup>rd</sup> 1879.

My Dear Edison

I haven't much time - but as  
a steamer goes today - I drop you  
a line to say that the agreement  
between the Co. & the Co. with re-  
to the Central & Co-operative work  
in organizing District Companies  
- has been duly passed upon by  
both sides - and will soon go  
to you for approval. It is a big  
thing for us & I hope & I  
- of course you will approve  
- I don't know what you will  
think of the ~~agreement~~ upon  
the part of ~~the~~ that you  
should subscribe ~~for~~ your  
advance Royalties for 10% of  
the stock of each District Co.  
- in means simply this - Out  
of Every 5000 ~~to~~ you get - you  
invest 1000 ~~in~~ in the stock of  
the Co. - You and of course  
doing the same. The ground

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Messrs. Messers Chambers,  
Riverside Buildings,  
11, Queen Victoria Street, E.C.

London 18

2  
I took in giving as my judgment  
that you would do so - was this -

1<sup>st</sup> It was of the utmost importance  
that you should show thereby  
a confidence in your own  
companies -

2<sup>nd</sup> It was necessary that you & I  
should join hands with the  
London Co. & take stock enough  
to control - with your voting  
power - the Irish Co.

3<sup>rd</sup> I presumed unhesitatingly  
agreed to it as far as he  
was concerned -

4<sup>th</sup> - It only means to you a 10  
less cash now - the stock  
will undoubtedly have  
some value 2 or 3 years hence

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Alderman House Chambers,  
Rooms No. 113.

11, Queen Victoria Street, E.C.

London. 18.....

$\frac{3}{5}$  A. - By so doing you ensured  
the Co-operation of the London  
Co. With yourself in forming  
the Dish Co. & thus ensuring  
to yourself a larger and  
more immediate income  
from advanced royalties  
even with this reduced fifth  
in stock - than would be at  
all possible, if yourself  
worked them alone -

In short I think that with the  
discount of stock - even  
counting it as valueless you  
will actually derive more  
cash than in any other way

Now in re. to Paris -

I put myself in communication  
with Cornelius Roosevelt in  
such way as not to bring

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Messrs. Messrs. Charles,  
Raffles & Co.

11, Queen Victoria Street, E.C. 4.  
London. W.B.

4  
You into the matter - and I  
received the next day, after  
the agreement fusing the  
Telephone interests was made -  
the enclosed letter - it explains  
itself. Only I do not understand  
exactly how he makes your  
interest but 50,000 £ = If P & B  
get £300,000 = Jackson gets 2/3rds  
of that or 200,000 & you 1/3rd  
that or £66,666. = However you  
will be better able to figure  
that out than I - Triff is in  
Paris. & doubtless has ere this  
put you in possession of  
all the facts.

You will notice P. has a better  
opinion of Bailey than his Bro  
had - this may arise from  
a unity of interest.

You must now look out that  
you get your share - If

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Alderman House Chambers,  
Riverside Buildings,

11, Duveen Victoria Street, S.E.  
London. 18.

5  
You want me to do anything  
in this matter. I can & will  
attend to it. But I am of the  
present opinion that if you  
have any doubt about your  
safety then Cornelius Roosevelt  
is in position to protect you.  
He cannot afford to play any  
sharp tricks with you. Even  
if he wished - but you know  
the Roosevelts to be honourable  
men - I wouldn't let any  
blind confidence in P & B  
deter me from taking such  
steps as would ensure the  
payment of the money due.  
This because of the generally  
understood fact that both  
P & B are penniless except  
as they get something out  
of the Telephone or you

MANAGER & SECRETARY,  
ARNOLD WHITE.

The Edison Telephone Company of London, Limited.  
Messrs. House Chambers,  
Romeo Street.

11, Queen Victoria Street, E.C. 4.  
London.

6  
In re. to Glasgow. & Lancashire  
the money appears to be in  
hand only awaiting the passing  
of papers. The times are  
critical however for several  
reasons - among them -

- 1 = Delay in arrival Instruments  
creating great discontent at  
Liverpool Manchester & Glasgow
- 2 = Inferior performance of such  
instruments as have arrived  
~~as~~ compared with those  
of the earlier arrivals &  
which have been shown them

In re. to last. you must bear  
in mind the fact that I have  
been cloaking all the bad ones  
& exposing to full view all  
the good ones. in the honest

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London, Limited.  
Messrs. House Chambers,  
Riverside Street.

11, Queen Victoria Street, E.C.

London. 18.....

7

expectation that You would  
longer & this have sent me at  
least one consignment of which  
each & every one would  
have been equally good =

This you have done only in this  
that each & every one are  
Equally bad = That is to say  
they are uniform but not  
nearly so good as former  
good ones -

If I find they improve by use - I am  
which I conclude.

- 1<sup>st</sup> - That "Fresh" is bad for them  
- probably severing the continuity  
of Electro-Chemical action  
within the cells of the Chalk.  
This it is difficult to re-establish

MANAGER & SECRETARY,  
ARNOLD WHITE.

The Edison Telephone Company of London Limited,  
Messine House Chambers,  
Room 2713,

11, Queen Victoria Street, E.C.

London

18

8  
Do not the pores of the cells  
get closed up by a non conducting  
crystal when allowed to  
remain inactive for any length  
of time. & does not the  
current - passing through them  
when in use - serve by decomposition  
or otherwise - to ~~keep the~~  
prevent this Por. Crystallization  
The action of the thing appears  
to warrant the above conclusion.

The Variation of friction when new  
is so fine as to make the talking  
absolutely perfect.

The Variation of friction when ~~on~~  
the thing has been some time long  
is so coarse as to render the  
talking only about equal to  
the paper band - from which  
I conclude certain of the  
cells are closed up and



MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London, Limited,  
Ariston House Chambers,  
Riverside Buildings,  
11, Queen Victoria Road, E.C.

London. 18

9  
Action is not uniformly distributed  
over the surface --

I want a mould & lathe & the  
necessary instructions how to mix  
chalks (at once). I will then  
put the 20 or 40 instruments  
now, useless on my hands, in  
position to earn us some  
money - That is now the thing  
to be done every one can  
hope to get any more sweat  
from this side -

Of course you know I am  
doing all I am capable of  
to keep life into the chalks  
into the capitalists with  
gratitude & in

Yours truly  
E. H. Johnson

Be Careful to send me only good  
men. They go out as engineers on  
the District Companies --

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London, Limited.  
Messrs. Howland & Co.,  
11, Queen Victoria Street, E.C.

London Oct 24<sup>th</sup> 1879.

My Dear Edison

I am a damn fool -  
I neglected to enclose  
these Epistles from Brown  
in my yesterday's letter - I  
sent them off on this - the  
next mail however in the  
hope that they will reach  
you before you have had  
much time to wear -  
Twenty add Insts. arrived  
today - making 3 lots

16 - }  
12 - }  
24 - }

52 in all

They pass out moderately  
good but not equal to the  
earlier ones. The chalks  
are all too low -  
Am now just putting some  
of them out in the hope  
that they will work OK  
till you get London ones

Wm. H. Preece

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Messrs. Messrs. Chambers,  
Room 3012.

21, Queen Victoria Street, E.C.

My Mr Edison

Oct 24/79.

Grand and left a letter for me  
to sign - ostensibly because  
he had to go - but really  
because he has stumbled to  
the fact that I have influence  
at Court and wants me to  
~~then~~ indicate by my signature  
that I approve - Since I have  
already done so unbeknown to  
him long in advance of his  
letter - and by means of a  
critical ~~or~~ analysis of his course  
in bringing about the desirable  
result - or rather in obviating  
its early issue by a too rigid  
adherence to personal ends -  
I of course sign with pleasure.  
By this deed - you open the  
road to a large fortune - if  
you fix the Chalks, I write  
you fully about them

MANAGER & SECRETARY.  
ARNOLD WHITE.

2

The Edison Telephone Company of London Limited  
Messrs. Messrs. Chambers,  
11, Queen Victoria Street, E.C.

London. 18

Tomorrow - I have an explanation  
of the playing out of chalks  
which harmonizes with every  
action of the Chalk I have yet  
seen - I have not time to write  
it today - Consequently it will not  
go until ~~later~~ Tuesday's Star  
& this is Saturdays -  
If I am right you will  
find the complete solution  
in one night  
Am. Damnably busy -  
Sending out Insts. Now to  
Disch. Cor. Man. Lpool  
Glasgow. Dublin, &c -  
Applebaugh wants a job  
in Paris -  
Pore Bally man -  
Rector good man -  
Other 2 - not so good

Edison

MANAGER & SECRETARY,  
ARNOLD WHITE.

*The Edison Telephone Company of London, Limited.*  
*Mansion House Chambers,*  
*11, Queen Victoria Street, E.C.*  
*London.*

*Oct 25 1879.*

My Mr Edison

Later = Enclosed explains  
itself. Let me have your  
orders as early as possible  
to avoid collusion between  
dealers in matter of putting  
up the price on you.

E. H. Johnson

✓ 6 Lombard Street E.C. London Eng.  
25<sup>th</sup> October 1899

Thos Alva Edison Esq.

Menlo Park New Jersey.

My Dear Edison,

I send you under separate cover  
on parchment further Supplemental  
Agreement between yourself and the Telephone  
Company of London the great importances  
and value of which you will see at a  
glance as by these means we harmonize  
all interests, have the aid of the London  
Company instead of its opposition in  
forming District Companies and make  
practicable operations where otherwise they  
would at least be very difficult. What  
underlies the whole thing, which is not  
intended to be upon its surface but which  
is of the very greatest importance is that  
by these means the London Company with  
ourselves control all the District Companies

21/ and as I am taking care to control the London Company this leaves everything in the palm of one hand.

This is the result of negotiations which have been going on now for some months and both Johnson and myself feel enormously relieved at its final and happy consummation. The London Company have subscribed to one fifth of the Glasgow Company Capital so we start off all right by 'having' no exceptions.

So soon as you have executed this in the usual way cable me the word Supplemental from which I shall understand that it is signed and we can then proceed with the Birmingham and other Companies on this basis towards which important preliminaries have been commenced.

You seem to have forgotten to cable me in connection with the Powers of Attorney sent out. Please do not overlook these requests to cable as upon them hangs important action here.

I leave this to be signed by Johnson  
as I am obliged to leave ~~soon~~ upon an  
important engagement

Yours very truly  
E. H. Whitton  
per C. E. Gouraud

The above letter was dictated to me  
by Col. C. E. Gouraud

S. Insull



7/KP

Oct 27. 79  
9<sup>11</sup> AM

Cable

Edison Mines Park

Have you executed powers  
of attorney and Lancashire  
and Glasgow agreements

13 London  
24 7

3NP

Oct 27. 79  
10<sup>55</sup> AM

Cable

Edison  
Mines Park

Bailey here threatening  
trouble with Fitches

London  
No 7

1

Oct 27-79

Menlo Park

London.

Barleys device gross  
infringement, Glasgow  
Lancashire <sup>marked</sup> ~~executed~~, forly  
with new devices shipped today.

15 Menlo Park n Oct 27

8:00 pm  
9/18

To. *Thos. A. Edison Esq.*  
*Morris Park*  
*New Jersey*

NOTE

FROM

*GEO E. GOURAUD.*  
*6 LOMBARD STREET EC.*  
*LONDON. 29<sup>th</sup> Oct 1879.*

*My Dear Edison,*

I confirm dispatch to you of the following cable:-

"Have you executed Powers of Attorney  
"and Lancashers and Glasgow Agreements"  
"Bailey has threatening trouble with ~~Waters~~"

"I have your cable, in reply, as follows:-  
"Bailey device goes infringement. Glasgow  
"Lancashers mailed. Party with new  
"devices shipped"

You will remember that Bailey tried  
hard to worm himself in here last year.  
Yesterday he tried hard to pump me but got very  
little satisfaction. ~~For~~ as plainly as possible  
without using dried terms gave me to under-  
stand that he had come over here with Brown  
to make exhibitions of telephones and take  
applications for subscribers to Exchanges and  
force himself into recognition here by one or  
the other or both of the Telephone Companies  
if he can - I propose to have nothing whatever  
to do with him. If you do not find him

or Puckas a second Butcher before you get through I shall be surprised.

Barley gave me to understand that he has quarrelled with Puckas, that there is to be a liquidation of the Edison Telephone Co of France and amalgamation of all the Telephone interests. Reiff has just come from Paris and according to Barley's own statement to him he (Barley) led <sup>to me</sup> most faithfully in stating that the amalgamation was absolutely consummated and that your share ~~is~~ <sup>is</sup> I don't know how many <sup>hundred thousand</sup> francs - it already at a premium of 25% - whenever you get free of that crowd if there is anything left of your patents in France Germany Belgium Germany Italy or Spain I can guarantee you half a million dollars for them within six months. This is the best place to work all such business for the wealth of the world is concentrated here and there is no part of it but ~~that~~ <sup>that</sup> is in connection with it wealthy people resident here. I am now anxious ~~then~~ <sup>to</sup> to make money out of them that there should be no discredit attached to your name in connection with the telephone. The very fact of putting the Edison Telephone Co of Paris into liquidation whatever be the reasons will work to your greatest disadvantage here as you will readily appreciate ~~that~~ <sup>that</sup>.

[FROM EDWARD H. JOHNSON]

6- Cable Oct 28 29  
4 14 PM

Edison Menlo Park

Send Ott. dict. c.  
Moules

London  
Hoy

.NP.

Cable

Oct 30. 79  
12 30 P

Edison

Expedite Mould important answer

6 London

79

Phonoo London

Man. sails Tuesday

chalk outfit

7 memo to H. N. G. Oct 30

8 Pm

9 114

London Oct 30<sup>th</sup> 1879.

Thomas A Edison Esq

My Dear Sir:

I am instructed to write you explanation of the Blue Book sent herewith to the aid that you may understand how & why we have ultimately decided upon excising certain portions thereof, and retaining certain other portions.

Your letter in reply to mine of Sept 30 - and your cable commenting upon John H Johnson's report have been duly taken into account in the discussions by which our conclusions have been reached. As I early wrote you, the very ground taken by you in relation to the Induction Coil was taken by me. I will however try & make clear to you the reasons for excision & retention of the several claims respectively excised and retained, as I proceed. We will take the claims seriatim;

1<sup>st</sup> Claim = Retained to hold the mica diaphragm =

I have represented this as important for 2 reasons -

1<sup>st</sup> It is the best material =

2<sup>nd</sup> It is the only effective substitute for metal (of induction capacity) which Bell might hold =

3<sup>rd</sup> When large diaphragms are required

Nica alone gives good results. and  
 since future development of the  
 Telephone must be in the direction  
 of larger Diaphragms - i.e. louder  
 sounds. This becomes important -  
 = I have emphatically assured  
 them that your use of Nica is  
new beyond doubt -  
 (If am wrong contradict me. don't  
 let me make any error by reason  
 of lack of information = ~~£~~ on this  
 or any other point) -

2<sup>nd</sup> 4<sup>th</sup> 3<sup>rd</sup> Claims -

Retained as sole claims on Tension  
 Regulator. Held to be entirely sufficient  
 3<sup>rd</sup> Claim to have added the words  
 "substantially as set forth" -

In order to ~~confine~~ <sup>confine</sup> these words "substantially"  
 clearly to the finely divided substances  
 as distinguished from liquids - we have  
 expunged from the body of the Spec.  
 all allusion to liquid Tension Reg.  
 Whether a cup of liquid - or a drop of  
 liquid between two points.

If only we can confine the meaning  
 of the words "substantially as set forth"  
 to the words of the specifications  
as amended by disclaimer - and do not  
 go back to what was previously  
 described = This gives us the  
 opportunity of specifying all that  
 was previously described by Bell  
 or others - ~~and~~ such as the liquid



III

Arrangement, the broad principle  
of inc & dec res of a circuit,  
and the use of "Inductive" principle  
in the receiver - and thus make  
the words apply solely to your  
principle of Inc. & Dec. by imperfect  
Contact.

4<sup>th</sup> Claim is out because of the cork  
disk - not used. and otherwise objectionable.

- Its retention of no value & res -

5<sup>th</sup> Claim Out. Because too broad  
Without Amendment - and, The  
Character of Amendment requisite  
to make the claim good. would  
be difficult to get allowed, as  
it would have to be in the nature  
of a limitation in one direction  
~~for~~ with the object of broadening  
in another. Considerable discussion  
was had upon this claim, and it  
was finally decided upon purely  
legal grounds to throw it out  
and depend upon claims 2 & 3  
to cover the ground.

6<sup>th</sup> Claim - Liquid - not new -

7<sup>th</sup> Claim Excised - afraid not  
New -

8<sup>th</sup> Claim - Out because it is held to  
be an unpatentable feature. Since  
the wording of the description makes  
it clear that it is an essential  
would be used even if it had  
not been described. It is in short,

too self evident an adjunct to  
Constitute a novelty. It is a fine  
drawn legal point; and I was compelled  
to yield my strongly expressed wish to  
hold it - because of the assurance  
of both Johnson and Webster that it  
was an injudicious claim. If a  
Telephone was practically operative without  
it - and it was then added as an improvement  
- it would become a patentable  
thing.

9<sup>th</sup> & 10<sup>th</sup> Claims - Phonograph - Claims  
(May be thrown out) - The question has  
just been raised as to whether these two  
Claims do not describe too specifically  
the Phonautograph of Keith and thus  
appear to lack novelty. I called attention  
to the fact that even if it was the Phono-  
autograph. You make your claim  
on the "Combination" of the Telephone  
and such recorder. And that I thought  
it desirable to retain them in order  
to more clearly show a connection  
between the Phonograph & the Telephone.  
As the 20<sup>th</sup> claim is for a machine  
too purely a separate & isolated  
bit of mechanism. On the other hand  
it is claimed that the words "emb.  
as set forth" = sufficiently connect the  
20<sup>th</sup> claim with the spec. showing  
the combination between the Telephone  
and Phonograph -  
The idea of throwing them out for  
the purpose of simplification had

its Foundation in this:

John Henry Johnson and I ~~went~~ in  
Our investigation went upon the  
theory of retaining everything possible  
- everything which would not absolutely  
jeopardize the Patent as a whole -

Webster took the opposite ground viz:  
discarding everything possible not  
absolutely jeopardizing the things retained  
and the Patent as a whole -

With this second theory in mind - J.H.J.  
suggested the holding of but one  
claim on each thing - viz

- 1 On the Micro
- 1 On the Tension Regulator
- 1 On the Receiver Set.
- 1 On the Phonograph -

At the official interview this day it  
was decided not to carry this to such  
an extreme, to hold claims 2 & 3  
On the Tension Regulator. and to  
hold 9-10- & 20 on the Phonograph  
(though, as before intimated it may yet  
be decided to let 9 & 10 go) -

11- Claim - Rejected - Not New -

12<sup>th</sup> " " of No Utility

(You know these things by being described by  
your patent become publications - no  
one can therefore obtain patents upon  
them as improvements in case they  
subsequently become of value.

The ground taken is that we must make  
our fight for the main thing & let  
incidental features go) -

6

13<sup>th</sup> Claim - Excised for same reasons  
as applied to 12<sup>th</sup> Claim

Interruption = John Henry Johnson just  
sends in a letter to say he  
has finally decided to let 9 & 10 go - but also the 3<sup>rd</sup>  
Claim - the latter as superfluous.  
Mr Waterhouse has again asked  
me for an opinion - and I have  
answered - that these 3 Claims  
may go - The argument in favor  
of this course is a strong one  
- framed in my own words it  
is this:

If certain specific Claims are  
Elected to go out - they thereby attain  
an eminence in the minds of  
our opponents, and are critically  
examined with a view of ascertaining  
what it is in them that we are  
afraid of. - If on the other hand  
a wholesale "slaughter of the  
innocents" is made - no particular  
one is invested with importance  
- Neither is peculiar significance  
given to those retained - In regard  
to these we in effect simply say  
"Gentlemen these things - the  
Nica - the Coincidence - the Chemical  
reverses & the Phonograph are ours  
We claim them within this  
Patent as an entirety in each  
of the retained Claims respectively"

- This hurts our Opponents "To Sea"  
 As to our ground of action:  
 It inspires them with a belief that  
 We are confident of our strength -  
 It presents us before the Law in  
 the attitude of supplicants for  
 no other favor than the privilege  
 of limiting our claims upon the  
 Public, thus rendering the granting  
 of what little we do want a mere  
 favor - in fact Compulsory =  
 This is important in view of the  
 doubt felt by Webster as to whether  
 we will be able to get a disclaimer  
 if strongly opposed - as we are certain  
 to be. We make this concession  
 of "incidentals" to strengthen our case  
 in material & vital points:  
 The 2<sup>nd</sup> claim is - it is held quite  
 Comprehensive enough to cover  
 everything - Discarding the 3<sup>rd</sup> avoid  
 the necessity for asking for the words  
 "substantially as set forth" - which  
 it is held might be difficult to get  
 - because of the excisions in the  
 body of the specification which  
 alter their meaning: If the words  
 "but &c" - had been in in the first  
 answer - as in the 1<sup>st</sup> rather claim  
 it is held they would ~~have~~ derive no  
 such special significance in relation  
 to expressed matter, as if now inserted.  
 - These hair splitting legal  
 illuminations - you must accept

as an evidence of the thoroughness  
of the work which is being done -  
\* as an evidence that we have  
"Good Lawyers" in this case -  
Now - to proceed -

14<sup>th</sup> - Claim Excised Not New & unimportant

15<sup>th</sup> - " " " " " "

16<sup>th</sup> - " " " No importance

17<sup>th</sup> - " " " Not patentable

It is held here - that if you get  
a patent for <sup>the use of</sup> the thing - and it is  
often used <sup>found</sup> two or more ways  
the advantageously used - the original  
patentee of the one - is alone entitled  
to the use of the additional number  
- No other can come in & claim an  
improvement by the use of two -  
Hence the lawyers have utterly  
failed to comprehend the object of  
this claim - It is different with us  
I know -

18<sup>th</sup> - Claim - retained - Receiver - & only  
Claim we have on it -

19<sup>th</sup> - Claim Excised Not want of utility

20<sup>th</sup> - Claim retained - the Phonograph -

21<sup>st</sup> - " Excised - Induction -

22<sup>nd</sup> - " " = No utility

23<sup>rd</sup> - " " = Immaterial

24<sup>th</sup> - " " Induction

25<sup>th</sup> - " " No utility

26<sup>th</sup> - " " Not new - Induction

27<sup>th</sup> & 28<sup>th</sup> - Claims Induction C'd.

When I wrote you last I gave

you Mr J H Whanoos first objection  
 to the retention of the Induction Coil.  
 - We have since had your observation.  
 And while we might have gotten  
 over the difficulty of the lack of  
 reference in the provisional, in  
 the manner you suggest - we  
 find it impossible to get a  
 good claim on the Combination  
 (now name as New  $\frac{1}{2}$ : The  
 Combination of an Induction Coil  
 with your tension regulator.  
 you will notice that the words of  
 your claim make no mention  
 of the tension regulator. It is true  
 that the words "Pub. as set forth".  
 And the drawings elucidate  
 the fact that the Combination  
 is with the tension regulator,  
 but you unfortunately not only  
 don't say so, but you make  
 a Combination with a "Diaphragm"  
 and a "Magnet" = Now Bell does  
 this also - Your claim read by  
 itself would serve for his device -  
 ( $\frac{1}{2}$ : An Induction Coil - & Magnet - and  
 an Iron Diaphragm & Electro-magnet)  
 In short you appear to make the  
 Combination for a purpose quite  
 apart from the real object you  
 have in view  $\frac{1}{2}$ : The Combination  
 with the tension regulator. A  
 long and exhaustive discussion  
 upon this point was had, and

it was finally decided that it must go out as the Claims could not be amended so as to introduce the tension regulator -

I am afraid you will have to give this up - It is very pertinently asked, if you meant to claim the use of an induction coil in combination with your tension regulator - Why did you not say so - Why did you combine it with a secondary feature viz. The Signal Bell - The inference is that you knew of its having been earlier used by some one else in a way ~~that~~ analogous to yours - I could only reply that I believed you were the first to so use it - The fact too, that Bell describes the use of an Induction Coil - and in another place alludes to a method of creating electrical undulations by the use of resistance - tends to the inference that he knew the function of the Coil - and had only to combine the two things he thus described to effect the combination you want - but don't claim - It is in the opinion of the "Learned Counsel" - a trifle too difficult a "task" to endeavor to force - It is consequently avoided



29<sup>th</sup> Claim - This has been excised  
 for lack of utility - I have duly  
 warned our people that this  
 Claim covers a principle which  
 is sooner or later going to be  
 the basis of the ~~best~~ best  
Transmitter ~~patent~~; but while  
 appreciating the point I make  
 they say it cannot be retained  
 30<sup>th</sup> Static Compensator - Excised  
 because not applicable to articulating  
 telephones - Its function is to  
 destroy a wave not to maintain  
 it =

(Interjection No 2) - Mr Waterhouse called  
 & took me to John H Johnson in  
 N.Y. to the decision to throw out 3,  
 9 & 10 - He asserts his entire mobility  
 to see any object in retaining  
 them - Says Claim 2 - in his opinion  
 covers broadly the tension Reg. &  
 Claim 20 - the Phonograph -)

Now take the alterations of the  
 body of the Patent.

(I must be brief time is short - want this  
 Catch Struck at Queens town)

Page 4 - L 11 & 12 - Self Evident  
 Page 4 L 25 to 27 - Elimination of Electro  
 magnet - ~~and~~ as a part of your  
~~invention~~ invention; and its use made  
 simply, as incidental to an illustration

of the operation of the Transmitter  
 - This is excision - because it limits  
 what ~~the~~ purports to be your Invention.

Page 5- Lines 41 to 51- Liquid Tension  
 Regulator- expressed- consequently  
 unobjectionable

Page 5- L. 52 to Page 6 Lines 1 to 3-  
 Electro Magnet receiver -

Page 6- L 8 to 11- "Automatic Shunt"- Out  
 because might be shown to be a  
 disadvantage -

Page 6- L 24 to 28- Liquid Tension Reg.

Page 8- L 37 to 42- Electro Magnet

Page 8 L 46 to 53 = No Connection with  
 this Principle of Telephony -

Page 9- L 18 to 24 = Out because of  
 the mention of Electro Magnet as a  
 receiver - would absolutely require  
 Amendment to show how receiver  
 might be used - this difficult to get  
 Hence the whole Paragraph expressed  
 Page 9- L 37 to 41 - a distinct invention  
 Not in accord with this Patent -  
 Page 10- L 17 to 37. Superfluous matter  
 (Eliminated to give us room to  
 look around & see who & what  
 we are?)

Page 11- L 10 to 13- Not this Invention -

Page 11- Line 37 1/2 = an insertion  
 which is an excision i.e. a  
 limitation of our claims

Now some remarks by way of

Conclusions: In answer to your Query:  
 No you cannot amend - by adding  
 to - You can only amend by taking  
 from - you will observe that you  
 Can add words - whose sole function  
 is to narrow your boundaries.  
 Anything that tends to broaden your  
 boundary lines is encroachment  
 and will not be allowed -

Now, this is the position:

We want to "go for" the Blake and  
 Other Springers - we dare not do so  
 until we have our own House  
 in order - ie got this disclaimer  
 allowed -

Bill folks knowing this will oppose  
 our efforts to obtain this disclaimer  
 strongly -

We discount that by keeping rigidly  
 within the limits of the Law: & thus  
 ensure success -

We cannot recover damages from  
 infringers ~~until~~ for what they may  
 do prior to the allowance of our  
 disclaimer - for the simple reason  
 that our application for disclaimer  
 is an acknowledgement on our  
 own part that our Patent is bad -  
 - And if bad of course is not infringed  
 The Bell Co. are using Steam  
 in distributing themselves over the  
 ground - evidently to "make hay while

"the Deer Shines": This we must stop immediately - by getting our Disclaimers allowed - and then serving them with a Notice - or Warning -

If they then Continue we can sue & recover - but only from date of Amended Patent - Now we are all ready to apply for this amended Patent - & can get it - if at all - in a fortnight - But if we file the Blue Book as now sent you - & subsequently hear from you that we have overlooked some vital point - we cannot withdraw from file - and alter -

Believe Mr Waterhouse wants your comments before we file.

You will therefore please go through this Carefully - reading my notes in Connection with each line with your usual comprehension And when you have concluded cable me at once -

Don't Waste a moment

If you approve the thing as it stands - Cable "OK"

If you see a weakness that in your judgment is vital - or of such importance as to merit a reconsideration - and consequent delay - say what it is - in such way as not to Publish

to the cable people the purport of  
your cablegram. And yet so I can  
get at the gist of your meaning -  
Spend a little money to do so.

When you have cabled - sit down  
& write me a line or two commenting  
upon each claim retained or  
rejected - Such comments will  
be held to be invaluable even  
after the thing has been filed

Very Truly Yours

E. H. Johnson  
of Engle

Original

Received from T A Edison  
Seventy five dollars as  
advance salary on account  
of services to be performed  
by me as Inspector of  
Telephones for the Edison  
loud speaking telephone Comp  
of London England.  
The money being necessary  
to pay expenses over  
Wentworth Park 10. 31. 1879

\$75<sup>00</sup>/<sub>100</sub>

Recd. C. A. Enholm

Nov 1

Nov 1 = 79

Phonos London

Discovered method work call  
with transmitter battery  
trivial change Bergmanns  
work splendid hundred  
testable Tuesday. with  
our way working. chalks  
perfectly constant, ~~test~~

24 memo book  
Nov 1, 79

730 P.m. 7 + 8

6. Lombard Street, E.C. 4.  
London, 1 Nov 1879

My dear Edison.

Glasgow Co.

I am just back from  
first meeting of the  
Board of the abov.  
wh. was deposited  
& duly organized  
7.5. with strong list  
of shareholders & Drs.

We have taken the  
very best premises  
in the place on foot

place for exchange  
of the Office. I have  
main entrance of  
Royal Exchange.

We go to Birmingham  
to try to form the  
Birmingham Co.

Monday £10,000  
advance capital.

Yours truly  
J. G. Thompson



London Nov. 2<sup>nd</sup> 1879.

My Dear Batchelor

I have been experimenting upon Batteries for the Transmitters and I find that neither the Fuller or the Leclanche are adapted to the purpose, they both decay too quick when used much. This results in my having an unnecessary source of error in judging of Transmitter adjustments - an important thing where green men are to be used. and also in keeping a Transmitter low. When some adjustment is required - If you have to spend some minutes on the adjustment your Battery runs down. and though you may be improving the adjustment the improvement is not perceived. The Calland Battery is the only proper one. and I now recall the fact that the Gold & Stock used it altogether - only adopting the Leclanche after the Telephone was in general use. and I am now informed they have gone back to the Calland. There is more reason for our using Calland than for them. If a Chack gets low - we want good currents to affect it. with a Magnet. a considerable weakening

is immaterial. Again we expect our Instrument to speak loud at all times when required. They never expect it: A good constant battery is all important to us. It is comparatively unimportant to them. Now these Batteries cannot be had here. The only thing they have is a small <sup>cell</sup> of Cap. Bat. Small quantity & high resistance. I have therefore telegraphed Bergmann, an order for 500 Watson Cells; and also for a number of other things not obtainable here - except "to order" at a high price and from 6 weeks to 8 months time. I am determined to eliminate all the "uncertain quantities" from this thing which "Knowledge" will enable me. and to depend upon your folks to acquire the knowledge requisite to eliminate the remainder, until we have made this thing as simple & reliable as a Telegraph Sounder. I showed the loud & the Comel Machine last night at a Lecture on Electrical Science by Prof. Ayrton - The Sheffield Lecturer on Motive Power &c. - You remember I wrote about him. Preece & a host of other P.O. Officials were there - I had - I am sorry

to say - only to manipulate  
 the Inst. so I could not say some  
 things that I wanted to say - but  
 Mystery will come. - I went to  
 the Hall at 4 Pm. to try the Inst.  
 and spent 2 1/2 hours in a futile  
 effort to get either Inst. loud  
 enough to be heard across the  
~~stage~~ platform. I tried everything  
 separately as far as possible.  
 and tried 4 different batteries  
 on the distant transmitter. but  
 all to no purpose. I was on the  
 point of taking the whole thing  
 out when Ayneton came in  
 and said NO. He must have  
 a telephone if only to show  
 the act of talking. I had to get  
 out then. - & went home to put  
 on my "jane clothes" fully expecting  
 to return & take part in a  
 disastrous fizzle. My 1<sup>st</sup> appearance  
 - Imagine my feelings to - to see  
 Preese & his crowd walk in soon  
 after the lecture began. This  
 riled me. - & I took one big chance  
 on the whole thing - by borrowing  
 to my office for a battery. I  
 was using on my office telephone  
 - knowing that it was not much  
 used. & thinking if the trouble  
 was really with my Batteries  
 I could possibly bring her  
 up at the critical moment, of

4  
Course I had no time to  
teach it - & when Mr. Aynett  
called upon "Mr. Johnson" to  
come up out of the audience  
& show Mr. Edwines Loud Telephone  
I went as to my doom - Head  
~~about~~ tail down - I had Rose  
at the other end - I gave him  
the signal - & said, in a voice  
that would have failed to affect  
a microphone "Go ahead Rose  
the damn thing will ruin us"  
He replied "All right what shall  
I sing" - H.O. darn. my skin &  
I didn't unwarily jump over a  
moon - when I heard him - in  
came out of the Coriel - loud  
enough to be heard by everybody  
- & when I turned on the "Rose  
of Killarney" on the loud one  
- it was simply to me at all events  
- a triumphal song - I wanted  
to shout glory Hallelujah - but of  
course I exteriorly acted  
as though it was simply a  
matter of course - A perfect  
thunder of applause interrupted  
the song right in the middle -  
They couldn't wait till the end  
of the verse - My wife & some  
friends were in the body of  
the hall behind Preece & his  
crowd - & they said every word  
was as clear and distinct

5-

as possible. Freee afterwards  
kicked me out. said he had  
been around to see me, but  
couldn't find the place, but  
would come again. I left him  
& Mrs J. Chatter away while I  
got ready to get out. & then  
ended the first Platform exhibit  
of the Telephone with which I  
have had ought to do since  
I 'Cumu Hyer'. My usual good  
luck did not desert me - I've been  
enough now of these things  
to know that I can get up  
an exhibition & even Lecture  
on them in a way - that will  
discount these fellows.  
and I think I'll do it. after a  
little while. Tell Edison he  
don't want any of these fellows  
to lecture on him or his.  
they try to keep too much of  
the work at home -

Brown, Rose, & myself. Yesterday  
got together and summed up  
our experience with Batteries  
and resolved very decisively  
& unanimously that the American  
Blue Vitriol was the only thing  
for constancy on low resistance.  
Last night's experience drove  
this conviction home in a  
way that was simply clinching  
The London Telephone Co - will

Therefore henceforth use only  
 Calland - or Transmitters  
 and small Leclanche on Call  
 - though as to the latter I am  
 seriously inclined to put on a  
 switch to cut out the Induction  
 Coil. We have a good deal of  
 trouble to keep Call Batteries  
 in Order - even when using 8  
 small Leclanches. If you  
 folks have any suggestions  
 to make on this head I wish  
 you would - Ere I invest  
 largely in Batteries -  
 these things now assume an  
 importance as with Instruments  
 arriving I am compelled to  
 come to a decision as to what  
 I shall use - I don't want  
 to make any mistakes -

Tell Bergmann to insert a piece of  
 Wood at Top of Switchboard  
 under the ends of Bars. Projecting  
 far enough above them to enable  
 me to Paint a No 2 on it immediately  
 over the Bar. This aids Novices in  
 finding the right Bar quickly.

I like your device for obviating  
 Knock. It is valuable for saving  
 the Chalk - thus preserving a  
 smooth friction - though I do  
 not agree with you that the

7  
Electrical action - is injurious  
in deteriorating the Ebul effect.  
I think strong Electrical action  
is efficacious in preserving it.

The last chalks Crumble I have  
had several do so already -  
sometimes disintegrate without  
Cause - Again a good slice  
peels off. & so on -

I Notice when they stand a little  
while the Pen sticks to the Chalk  
& gives a loud click when you  
start it: I have always found  
that when this is the case  
the Chalks are bad - i.e. - have no  
Ebul action - I have produced this  
Effect by applying an undue  
amount of water - It is not due  
in these chalks to the presence  
of too much water & too little  
Soda - I think so -

This picking may be the Cause of  
the peeling of the Chalks too -  
as also of their disintegration

I've engaged a Basement room  
dry & roomy for John Ott and  
his Outfit. I hope his arrival  
will put and end to my troubles  
by supplying me with Chalks of  
at 2 months vitality. More in a  
Private Com. Yours Truly E. J. Johnson

No. 741

Gold & Stock Telegraph Company,  
Western Union Building

N. Y. Private Line & Telephone Department.  
G. L. Wiley, Superintendent.

New York, Nov. 3<sup>rd</sup> 1879

T. A. Edison Esq.

Minlo Park, New Jersey

Dear Sir:

This will introduce to you, Mr. Walter  
V. Morgan, an aspirant for a position as inspector  
of Edison telephones in England. - He has been  
studying our Central Office system for about one  
month past. - Your Mr. Griffin can I believe,  
inform you of the good character of this applicant.

Very Respectfully,  
G. L. Wiley,  
Supt.



DF, 6-50-91

Nov 3<sup>d</sup> 1879  
2:25 pm

Cable

Edison Minto Park

Shake want first  
Steamer 100' Watson  
batteries

Phono

10 London  
Nov 4

Nov 3<sup>d</sup> off

Cable Nov 3<sup>d</sup> 79

Phono London

New Call requires  
two further on transmitter

9 Minto Park n.g.

Nov 3<sup>d</sup>

702

5:40 pm

9 Ty

*Original*  
FROM THE LABORATORY OF  
T. A. EDISON.  
MENLO PARK, N. J.,  
U. S. A.

Received From T A Edison  
One hundred dollars  
as advance salary  
on account of services  
to be performed by me  
as Inspector of Telephones  
for the Edison Loud Speaking  
Telephone Company of  
London England  
The money being nec-  
essary to pay expenses  
over to England

Nov 24, 1879

J. A.

J. A. Lighthipe

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London, Limited.  
Messine House Chambers,  
Rome 2023.

11, Queen Victoria Road, E.C.  
London, Nov 4<sup>th</sup> 1879

Thomas A Edison Esq

Dear Sir

Please ship by first steamer  
after receipt of this order all of  
the goods herein mentioned which  
you may be able to find in  
stock in New York - and the  
remainder at the earliest possible  
moment. If the Gravity Battery  
has been found by you to be  
not applicable to your new  
devices - you will then erase  
the order for Battery and  
fill the remainder.

Very Truly Yours

Ed Wharton  
Esq Esq

Approved  
Arnold White  
Manager

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Aldersgate House Chambers,  
Rooms 20213, 11, Queen Victoria Street, E.C. 4.  
London 18

- 500 Cells Gravity Battery Watson Pattern  
1000 Rubber Hook Insulators -  
1000 Pony Insulators - New pattern -  
- but made of Porcelain - Glass  
not good in London -  
1000 Brackets for above  
1000 Top Pins for above -  
Many Plenty of these things - may get  
some insulation made here -  
250 Pounds of Phillips Patent  
finished paraffined office wire  
(as per sample -) for 2 1/2  
1000 Wooden office wire Elect. for 2 1/2  
1000 " " " " for 4 wires  
50 Two wire reverse switches  
as per sketch & specification  
20 - one drop annunciator  
20 Two " " " " As per Specification  
10 Three " " " " "  
10 Four " " " " "  
10 Six " " " " "

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited  
Albion House Chambers,  
Rooms 2 & 3.

11, Duane Victoria Street, E.C.  
London..... 18.....

Memo.

If No Porcelain Screw Insulation  
Send 500 Screw Glass - & I  
will have some made to order  
here.

Send the Brackets & Pins anyway

Wire - if Sample is lost = is the  
red & white plaited - about 18  
Copper - parafined - Not the very  
heavy size you used in Laboratory

of wire clets - like the w.a. use

Reverse Switches are for use  
where 1 man has 2 wires &  
but 1 Telephone. Keeping one  
wire on a Bell & the other on  
a Telephone all the time -  
this = line!



MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London, Limited.  
Ariston House Chambers,  
11, Queen Victoria Street, E.C.

Receives No. 113.

London 18

2  
Of course I want this switch  
made good - but cheap -

Annunciators -  
Are wanted for Private lines  
- Great demand for something  
to indicate which wire called  
+ whether a call has been  
made in absence of office  
occupant.

Wanted for this purpose - a cheap  
Signal Bell - and the Standard  
Drop - put up as directed  
in cheap but neat boxes -

E. H. Johnson

Acknowledged  
Amolimit

To. *Thos A. Edison Esq.*  
*Menlo Park*  
*New Jersey*

NOTE

FROM *GEO E GOURAUD.*  
*6 LOMBARD STREET E.C.*  
*LONDON E.C. 4* *15 Nov 1879*

*My Dear Edison,*

*Your letter of 20<sup>th</sup> Bull. together with  
Powers of Attorney and Supplemental and  
Lancashire Boroughs Agreements is to hand*

*Your reasons for not wishing to make  
the Powers of Attorney irrevocable are, in  
the light of your experiences perfectly satisfactory  
to me*

*Yours very truly*

*G E Gouraud*

*P.S.*

*I will endeavour to forward you  
copies of the above documents by next  
mail.*

Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the sender of the following message.

Sender can be held liable only by repeating a message back in the sending station for acceptance, and the Company will not hold liable the sender or delivery of messages or delivery of messages.

Messages are not UNREPEATED MESSAGES and are delivered by request of the sender, under the conditions named above.

A. R. BREWER, Secy. NORVIN GREEN, President.

Dated Cable 11/4 1879

Received at Phonograph

to Phonograph  
ment to Park

Adopt. Watson if

takes 14 cells

Guller polishes

mission

11 London

Horf

Phonograph

Four Watson

works satisfactory

READ THE NOTICE AT THE TOP.

Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the sender of the following message.

Sender can be held liable only by repeating a message back in the sending station for acceptance, and the Company will not hold liable the sender or delivery of messages or delivery of messages.

Messages are not UNREPEATED MESSAGES and are delivered by request of the sender, under the conditions named above.

A. R. BREWER, Secy. NORVIN GREEN, President.

Dated 11/5 Cable 1879

Received at Phonograph

to Phonograph  
ment to Park

Will use

Watson full

order

London

Notes

835 am

READ THE NOTICE AT THE TOP.



Menlo Park, N. J.,

Nov 7, 1879

At last pure water

Pharos London

~~At last we have~~ <sup>now</sup> ~~struck it~~ <sup>bottom</sup>  
~~use pure water, which exceedingly~~  
~~found at the Soda works large~~  
~~Capillaries~~ ~~bores~~ <sup>distilled</sup>  
~~any other~~ <sup>but pure</sup> ~~absolutely~~  
 pure water gives the lowest  
 talking yet obtained, conditions  
 ever; make size capillary's  
 match liquid used, obtained  
~~by process~~ hereafter no  
 trouble,

of. 7.11.1879  
 S. P. 9.11.1879

N. P.

Nov 7, 79

Calice

Menlo Park London

Supplemental

3 Menlo Park 7

[FROM EDISON TELEPHONE COMPANY OF LONDON]

No.

Nov 8.79  
10.58 am.

Edison  
Mewo Park

Report progress  
Times clockwork

London  
Ho. F.

✓ nov 9 79  
Phonos London

Blue book all right

6 Memo Park 9

1235  
240

The Edison Telephone Company of London, Limited,  
Mansion House Chambers,

11, Queen Victoria Street, E.C.

My Dear Edison London Nov. 9<sup>th</sup> 1879.

I am in receipt of your cable announcing the discovery that the size of the capillaries must match the liquid used. and I quite see how you come to such conclusion. There is no doubt in my mind that there must be a free circulation through the pores of the chalk. and although a capillary action is said to be an almost irresistible one where the pores are small - I have no doubt that the pores must still bear a proper relation of proportion to the size of the liquid atoms or globules which flow through them. I am curious to know whether you have effected this proper relation by the use of distilled water alone or whether you were compelled to use coarser grained chalk. I presume however that the pores of chalk are always the same whether it be in its original

The Edison Telephone Company of London Limited.

State or required by precipitation  
 - If so. of course ~~that~~ <sup>you</sup> would gain  
 nothing by using chalk less finely  
 subdivided - except in the accidental  
 cellular construction of the body -  
 but that I fancy would not be of  
 a degree of fineness or uniformity  
 sufficient to ensure the same  
 capillary action in each & every  
 cylinder. One of my Boys used  
 distilled water with the solution  
 but of course no particular advantage  
 was obtained because the foundation  
 was laid with the ordinary solution  
 I presume the 40 now nearly due  
 were made in the ordinary way -  
 except that you have put in a greater  
 proportion of soda. than in previous  
 ones. And they have the device  
 for obviating the knock due to the  
 Push Button. If I am right of  
 course they will prove a great  
 advance on the unfortunate  
 now in stock more than  
 half of which are useless -

حی

*The Edison Telephone Company of London Limited.*

<sup>Glasgow House Chamberlains.</sup>

They will come fresh from Paris  
to have Birmingham things are  
getting quite hot for me here -  
Gouraud & Waterhouse wanted  
me to go to Birmingham on  
Monday last, but I declined  
to go with my present Insts.  
I cannot get them into that delicate  
& good condition I had the  
Lancashire Insts in and I  
won't go on a tour of that kind  
with Instruments less perfect than  
what I have previously had -  
So everything awaits the arrival  
of the No. which it is hoped will  
prove a brilliant advance -  
I have heard nothing about the  
payment of the Lancashire &  
Glasgow Royalties this week - but  
suppose I shall see this mail  
goes out - Tuesday night -  
I got a wire built along the  
London Chatham & Dover R.W

# to Yours Truly Company London, England  
and tried it yesterday. It was  
an immense success - although  
the induction was tolerably heavy.  
I was down today (Friday) to try it  
& there was no induction - of  
course it worked beautifully.  
I talked to Gores and Keiff  
with the most perfect ease -  
It will prove a great card for  
our people - to be able to show  
this wire - the other Co - can  
show nothing like it - Microphones  
will not give sufficiently strong  
currents to work this class of  
wire - and that corroborates  
my opinion of the respective  
merits of the Blake or any  
other microphone and your  
Lamp Black Button - I am  
in receipt of your note calling  
my attention to an article on  
the theory of the microphone  
in the Electrician - I looked it  
up - & found it simply to be

5 in effect the same as my  
Opinion - as given in my Pamphlet  
which was written before this  
article was published -

I am also in receipt of your  
letter in re - to taking out  
certain Patents through J.H. Johnson  
& will give the matter my immediate  
attention - I am glad you  
do it through him - When done  
they will be worth something -  
You never told me whether your  
E. L. patents were being handled  
in the bungling manner B & I  
did the Telephone work -

I write you a good deal - on  
various subjects which for ought  
I know is paper time & stamps  
wasted -

Riess is here still working with  
the Peuder crowd. He will no doubt  
tell you what he is doing -

I saw Harrington - He looks an old  
old - I took Riess up & introduced  
him to Oreece - We went through  
the operating room together



6. Bailey has gone to America to  
get you to nominate him as  
Director in the French Co - Roosevelt  
will urge you to do it - this don't  
tally with Roosevelt's earlier opinions  
- or anybody else's present opinion  
Bailey's principle of action is  
to wedge himself into anybody's camp  
with anything - & get money out  
of them by any means fair or  
foul - He will sell you out clean  
if it is his interest to do so -  
If you put him in any position  
make it terminable by your  
voice - then give him to understand  
he is to leave England alone -  
Even then you may not be able  
to prevent him from doing you  
an immense amount of harm  
if he sees an opportunity to  
put \$5. in his pocket -  
Put that down as my opinion  
of Mr Bailey -  
of course he will tell you a  
different story -

7<sup>th</sup> Our Board has authorized White  
to immediately put out 200 Telephones  
free for 3 months - That's big.  
I got them also to authorize  
the rental of a large ground  
floor room for the purpose of  
putting our principal exchange  
in it - so that the Public  
may see it in operation & learn  
what a Telephone exchange is -  
an exhibition room is also to be  
fitted up - We are in short  
going to plant ourselves in the  
eye of the London Public on a  
scale that will make the other  
concern look little & mean  
even with their 6 month grant  
of us - Give us the Instruments  
to do it with -

That's all for tonight

Yours Ever

E. H. Johnson

NY Nov 10, 79  
H.S. Bailey  
and Nov 12

New York Nov 10th 1879.

Prof T.A. Edison.

Dear Sir:

Similar applications to this may be numerous with you. but hope that this one may at least meet your personal attention and reply. even if brief.

Will state to you that I have resigned my position as manager of the Nassau St Central Office Bell Telephone Co. And although they still wish to retain me in their employ. I prefer to make arrangements elsewhere. I will not enter into detail here.

I have been for years a lover and student of Physics. am a practical Photographer. and having made two extensive tours through

<sup>4</sup> Mexico and Central America  
making Spanish a special study  
I have a thorough and practical  
Knowledge of the language.

The varied fields in which you  
have entered led me to think  
that I might prove useful to you  
I can furnish unexceptionable reference  
Should anything offer even at any  
salary. please let me know at  
earliest opportunity

Very Respectfully Yours

W. L. Bailey

92 Pulaski St

Brooklyn N.Y.

Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND DELIVERS messages only on condition, holding the liability, which have been guaranteed by its charter for the following amount:  
It can be placed in service only by repeating a message back in the sending station for comparison, and the Company will not be held liable for errors of delivery or delay in the delivery of messages.

The message is an UNREPEATED MESSAGE and is delivered by means of the machine, under the conditions stated above.

A. R. BARKER, Secy

NORTH BARKER, Secy

Date

Cable

10/10

1879

30 am

Received at

Edison

meals Dark Yf

READ THE NOTICE AT THE TOP.

All in operative Vital suggest  
temporary resurrection today  
Had new device first steamer  
Phoenix

15 London

mu + G



P.O. Box 4682.

New York Nov 11 1879

Thomas A. Edison Esq.  
Dear Sir

In June last there were two assignments on parchment prepared from myself to the London telephone Co. of English Patents Nos. 2396 & 2909.

This was done by instructions of Mr. Courmont.

Please inform me to whom I am to charge the cost of these instruments which is \$20.

Yours truly  
Lemuel W. Serrell  
H. Serrell

clap to me

to Mrs. London nov 11 29

Tests show our solidly now  
water chalks loudest yet  
undiminished 2 hours  
baking whereas phosphates  
played shipped thirty

to Menlo Park  
nov 11

3<sup>20</sup>pm 9

[FROM EDWARD H. JOHNSON]

\$

Cable

Nov 12 79

Olson  
Mend Park

Switchboards delay  
most damaging

London  
H. G.

5 Phonos

Nov 12, 29

London

Lots of switchboards

also batteries

~~have been~~ shipped,

~~Batteries etc~~

8 Men's packing Nov 12

3:15 pm

No 9



NY Nov 13, 29  
J.F. Bailey

Confidential

New York

13 November '29

My dear Sir:

Referring to our  
several conversations  
and agreements of the  
last few days, as the  
complement to them

I hereby engage us  
to push any form  
of carbon Telephone or  
microphone in Great

Britain. Very truly yours,  
J.E. Edison Inc. J.F. Bailey

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited  
Messrs House Carvers,  
Rooms N° 113,  
11, Devereux Victoria Street, S.W.

Nov 13 1879  
London

My Dear Edison

I enclose copy of my Contract  
as signed by myself and  
Col. Goreaud - I retain one  
copy until you return the  
other signed - Col G. will also  
send you his copy for signature  
- you will observe I have conceded  
the use of the words "Net Royalties"  
but defined it to mean just  
what you agree to as your  
Royalty - I did this because I  
did not want you to pay me  
5% on what you did not get -  
but I do mean to have 5% on  
what you do get - & a 5% of a  
like sum from Goreaud - If he  
finds it necessary to spend  
some money to market a thing  
that has otherwise cost him  
nothing - he only stands in the  
same boat with you - since

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Messrs. House Chambers,  
Rooms 27 & 28,

11, Queen Victoria Street, E.C.

London 18

2  
You spent a much larger sum  
to prepare the thing for the market.  
You might as well pay your 25-  
or 30,000 if must come out of  
your royalties before my 5% is  
calculated. The same argument  
applies of course to your allowing  
these expenses to be deducted from  
the gross amount before your half  
is allowed. If you do that - I  
shall suggest that the original  
cost shall also be deducted  
pro-rata - on each company say  
2,000 £ on each one formed until  
your 25,000 £ is paid back. I  
think such a suggestion from  
you would soon reduce the  
expenses of Organization

Think over it - I remember this  
is all H. pays for his half -  
You can get better men to  
pay more your money  
E. J. Johnson

MANAGER & SECRETARY,  
ARNOLD WHITE.

The Edison Telephone Company of London, Limited.  
Messrs. London Chamberlains,  
Rooms 27/28,  
11, Queen Victoria Street, E.C.

London. 18.  
Nov 13/79.

My DE

A Cargo Blanche to spend a  
sum equal to the value of the  
Cargo of the Ship - given by  
yourself & myself failed to  
get the telephones out of her  
hold today - You somehow manage  
to get them 2 days further away  
from us by putting them in  
the Bottom of the ship - but  
you manage to get them on  
the top of the load -

Please put your name over  
yourself on the contract;

Hastily E. H. Whurr

Waterhouse says  
Jigs want 76 witnesses

~~Whurr~~

SAMUEL STODDER,  
Roof Composition and Shingling

No. 90 ANN STREET,

Two doors from Gold St.

New York, Nov 14<sup>th</sup> 1879.

Prof. S. A. Edison.  
Menlo Park N. J.

Dear Sir.

Your postal rec'd. The infrequency of trains on your road, and being quite busy at present I cannot well call until next Tuesday 18<sup>th</sup>. Will take one of the earliest trains in the day. Should anything determine your absence from Menlo Park on that day, please telegraph me in advance.

Very Respy Yours.

H. L. Bailey.

11- In case of a telegram please address me  
Dist. Office Bell Telephone Co.  
82 Nassau St. N. York.  
H. L. B.

[FROM GEORGE E. GOURAUD]

Nov 14 79.

Edison Menlo Park

Push 500 for districts  
and foreign regardless Expense  
not delaying whites answer

15 London direct

Hog

Menlo park 1

4. Cable Nov 14 79.

Mentor Park London

Arrange money with  
Drexel Can stand and  
numbers they are immense

1/3 Mentor Park Nov 14

2 pm  
of BP

6 Lombard Street London

15<sup>th</sup> November 1879

Thos. A. Edison Esq

Menlo Park

New Jersey,

My Dear Edison,

Johnson's Agreement. Triplicate Parchment  
Copy herewith. You will send three. Please  
execute all. Keep one for yourself; post one  
to me & one to Johnson by separate channels

Yours truly,

W. M. Mearns



London Nov 17<sup>th</sup> 1879.

My Dear Edison

I had a lengthy interview today with Sir Wm Thomson on telephone matters. I learn from him that he is under obligations to appear as a witness for Bell - in any legal contest which may arise - because of this fact he was compelled to decline - though reluctantly - the association I offered him of joining you as Consulting Electrician in our Companies. In re- to my pamphlet upon which I had asked him his opinion he said:

He had read it with great interest but owing to the fact above related he could not give an opinion on it. As he did not care to place himself even seemingly in the position of making use of the knowledge acquired in our capacity to pass upon the arguments of an opponent he did not indicate that he was with Bell as against your Carbon - but only in re- to the magnets. He asked me what about Blake - what his Patent was etc. I explained and he said - There was no doubt it was identical with yours - & that your Patented invention justified you in suppressing it & all the Microphones. He did not use those words - but words to the same effect. He said

"Preece explained fully <sup>Edison's</sup> Carbon Telephone at Plymouth - ~~the~~ I heard him -" and said again

"Mr Preece should have introduced the Carbon Telephone in his Microphone discourse & shown them to be of the same nature" =

You may rest assured that although he has been exposed by the Bell he will be a witness for them only in the matter of the Magnets. He will be of as much service to us as to them - in that he will undoubtedly support your rights to the Carbon for Telephonic purposes - He said "It is Mr Edison's Patented invention" He made use of this term a number of times - You know he has several valuable Patents himself - & of course the invention distinct is alive in him. He says in T.E. to Bell - ~~that~~ he feels that over him some reparation for having done him the injury of publishing his work here before Patent was secured - I told him that - he might feel so - very properly - but that the injury should have been wrought by Bell upon himself all the same - as the fact is the Bell allowed his U.S. Patent to be filed here officially months before making his application for

Patent - He admitted that - this was true - I then dis closed him our hand in this - I said we know that Bell is open to all - but we shall not proclaim the fact except as a desires resort - as it is always within the compass of things - that we may unite - in which case we should want Bell maintained - He said it =

In re. to my Book he went so far as to say that he thought "I think it a very fair statement of the work of the several parties named - Gray, Bell & Edison & one likely to have considerable value if admitted into a legal context"

Myself was present at the whole interview & will remember his exact words perhaps better than I - as I am not good at such details - generally contenting myself with their meaning - This man is too honest -

and too well versed in the art to be used for the purpose of ~~any~~ proving facts - So I fully credit on two things as the result of his appearance on the stand - you will see their ~~real~~ value to the respective parties & judge who is going to win the laurels from him -

1<sup>st</sup> - He will maintain Bell's rights  
2<sup>nd</sup> - He will maintain Edison's <sup>rights</sup> ~~Carbon~~

Good Night Yours  
Oscar Brooks  
not at hand - E. J. Wherry

London Nov 17<sup>th</sup> 1879.  
My Dear Edison

Wrote Batch today about Chalk,  
Bad - Still living in hopes however -  
- Poor Diet though - Especially when  
One has to acquire from it strength  
Enough to prop up half dozen other  
beside himself - You must soon  
deal out more substantial rationes -  
No News of consequence here - Your  
Keeping us too inactive to make any  
history for you -

By the Way - You seem to have taken  
our long cable on the wrong lay - it  
was not contemplated in our scheme  
to do anything but the fair thing  
towards Fucker or Bailey - so you need  
not have been quite so savage  
about it - Especially as what you  
were therein told will in all pro-  
bability transpire to be well founded.  
Riff has letter from Fucker which  
confirms this view - Your telegram  
to Paris - puts Bailey in & Fucker  
out - You might as well have appointed  
Bailey - But as our telegram was  
only the suggestion of a way out  
it has gone for what it is worth -  
So let it be -

By the Bye - I'm more than half inclined  
to look for an invitation to go &  
drive with the Queen - through Riff.  
The ubiquitous Cus - seems to have  
access to any & everybody even  
here as elsewhere - He has got

2  
 Peuder - for James Anderson - Fuller  
 - Heaven - Preece - Graves & well  
 high Every Knot there is in the Polygraphic  
 Miter Tail - dangling at his waist  
 already - I haven't been doing much  
 lately - but keeping appointments he  
 has made for me - for the purpose of  
 helping to drive home some wedges  
 he has succeeded in entering -  
 Today & Saturday he had me  
 interviewing for Wm. Thomson -  
 with whom he managed somehow  
 to make two appointments although  
 the old fellow is apparently  
 as busy here as he was at the  
 Centennial & quite as difficult to  
 get at. For Wm's scalp likewise  
 dangles at Riiff's Belt - as he will  
 explain - I tried to take it but  
 with less success - as I will show  
 presently - Clearly the young  
 man has stirred up an interest  
 here which will result in something  
 more than wind if properly  
 handled - Keep your eye on it.

I make second letter of my  
 interviews with for Wm. - as I  
 want to copy in in different  
 book it has an official bearing  
 in re. to the Patent Controversy

I told for James Anderson today  
 you never made a failure of anything  
 you once seriously undertook -  
 I have invited him to come & see the  
 telephone - It will probably fail  
 about the time he comes -  
 Guess truly E. K. Johnson

T. A. EDISON.

✓ Menlo Park, N. J., Nov 17 1879

Thomas London

Times apparatus almost  
finished

6 Menlo Park Nov 19

128<sup>1/2</sup>  
2/4

5-

Nov 21, 79  
5 PM

Cable

Edison  
Menlo Park

Ten Thousand pounds  
ready here on account  
Laneashire shall we  
pay Gouraud for you  
or how otherwise

Quephone

20 London

No. 9

Quephone London

Telegraph five thousand

pounds through Drexel Morgan

pay balance to Gouraud  
for my account & we are  
shipping instruments very rapidly

624  
1/4

29

MANAGER & SECRETARY.  
ARNOLD WHITE.

*The Edison Telephone Company of London, Limited,  
Messieurs House Chambers,  
Rocina, 2413.*

*11, Queen Victoria Street, E.C.*  
*London Nov 22 1879*

J. A. Edison Esq.  
Menlo Park, New Jersey, USA

Dear Sir,

I am in receipt of your telegram of  
this date, as follows:

- "Telegraph me for thousand pounds sterling
- "Morgan pay balance to Gouraud for my
- "account. Bogmann delivers hundred weekly
- "Wear shipping instruments and supplies
- "very rapidly. - Edison.

In reply, I try to inform you, that complying  
with your request, £5000 have been today  
transmitted through Messrs J. & J. Morgan to their  
New York Correspondents on your account. The  
balance of the £10,000, say £5000, has been  
handed to Colonel Gouraud for your account.

I am, Dear Sir,

yours faithfully,

*Arnold White*  
Manager

*11/22/79*

Gold & Stock Telegraph Company,  
Western Union Building.

New York Nov 22 1879

Come over will talk  
to you

J. A. Edison

Dear Sir

I have learned,  
recently, that you have sent some young  
men - operators - to England.

I would be delighted to embrace  
a similar opportunity should you  
at anytime find it necessary to  
increase the force.

I have been an operator for the past  
ten years; eight of which has been  
served in the Gold and Stock Tel Co,  
in whose employ I now am.

Should you find it necessary to inquire  
about me, I would be happy to refer  
you to Mr. E. J. Ludwig.

Very Respectfully yours  
Wm. H. Walsh

197 Broadway



2

Nov 24, 79

Phonos  
London

Have telegraphed  
you 250 pounds  
through Drexel  
Morgan

Edison

11 Minlo Park

315-<sup>Mr</sup>  
9 CB

The Edison Telephone Company of London Limited  
Marion House Chambers,

11, Queen Victoria Street, E.C.

London Nov 27<sup>th</sup> 1879.

My Dear Hatchelor

I have yours in re. to Barton & his  
tender with scribbles - also several  
notes written from time to time in  
re. to New Chalks. also yours in  
Edisons name giving a meagre acc  
of the water chalk discoveries  
When I received this latter I went  
from the House where I have been  
for a week on my back - to the  
Office to attend a Board meeting & to  
order to show in and assure them  
that their fears that Lightships had  
the latent were not well founded.  
He L. thought he had - & there was  
nothing in your notes or Edison's  
Cables to indicate the contrary -  
in nothing was it distinctly said  
(Nor has it been yet) - that no chemical  
was used at all - The use of water  
only for re-moistening was all we  
were sure of. Lightships said he

had the distilled <sup>Chalks</sup> <sup>from the</sup> <sup>Edison</sup> <sup>Company</sup> <sup>of</sup> <sup>London</sup> <sup>England</sup>  
 I questioned him <sup>My friend</sup> <sup>Mr. Edison</sup> <sup>of</sup> <sup>Edison</sup> <sup>Company</sup> <sup>of</sup> <sup>London</sup> <sup>England</sup>  
 Chalks were originally made  
 with soda - all this up to the  
 receipt of Edison's Letter telling  
 me to "throw away Nightriser Chalks"  
 - had so much the appearance of  
 another promise of good things  
 to come - but which would fail  
 when set up here that Everybody's  
 Confidence stood at Zero - I again  
 raised it a few degrees above by  
 assurance of what could be  
 done - when we got the Lathe & made  
 our own Chalks - Ere the Lathe has  
 yet arrived however - comes this  
 Welcome Letter from Edison with its  
 assurance that what is to come  
 is of a far different character from  
 all previous arrivals - Hope therefore  
 predominates - It! has come to  
 pass now that in order to make  
 our people feel my confidence  
 in each cabled assurance  
 that our troubles are over I

Must give a scientific basis for my belief. I gave it yesterday as follows  
 Edison holds the action to be Capillary  
 - A requisite of Capillary action is the  
 Cellular formation of the Chalk -  
 Any chemical dissolved in water &  
 held in these cells - would sooner or  
 later crystallize - and always at the  
 surface first -

Such Crystallization Corked all the Cells  
 - The Crystallized Chemical is a Non Conductor  
 The Corks ~~stopped~~ the disconnected  
 the conducting medium - the water - from  
 the Metal Pen -

No Electrical action - No Capillary -  
 But aside from this suspension of the  
 Electric Current - The cessation of  
 the Capillary would prevent any  
 action - anyway -

Now I said - It is my belief that  
 the water held within these cells will  
 come out so slowly that if the  
 cells are kept open - it will take  
 many months to get it all out -  
 is - Capillary action will go on

4 for many months at a practically uniform rate.

Problem - To Keep Pores Open =

Now Edison Telegraphs - & writes

"Pure water" - Negatively = No Chemical  
= No chemical - no crystallization

- No Crystallization - no cooking of Pores

Problem solved - & by Edison of course

Finally - Does it transpire that a great advance has been made.

Everybody's confidence in Edison is again at bumper heat = and my Faith - is justified. Here a word - Without Edison having had a man here who was endowed with the full measure of confidence in him that he has in himself this concern would have come to a dead lock.

Even if it had not been overthrown - The Lancashire & Glasgow parties were far more unmanageable than the London - Glasgow was on the point of refusing to go on - when I wrote a severe letter to Grosvenor Man - Moore - I told him I didn't think he had had much experience

5 In introducing New inventions - or  
he would see that this was making  
the most extraordinary progress toward  
Perfection ever heard of. I followed  
this up with a little double leaded  
Assurance - Gouraud went up  
& clinched it just in the nick of  
time =

I have had to take an opposite course  
too at times. in re to the New Co's  
- Gouraud has been wanting to go  
ahead faster - But as when once  
we enter a town we must do so  
to stay = & as I had <sup>known</sup> nothing promising  
staying qualities, I <sup>have</sup> discouraged  
& delayed these enterprises to the  
utmost limit. I was compelled to  
finally fix a time to open the Ball  
at Birmingham - I fixed it after  
the arrival of the lot of 36 =  
hoping they would prove equal  
to the purpose. They arrived - I  
selected 3 of the best - I went -  
They lasted 24 hours - & then failed  
- Water restored them for periods  
of a few hours only -

6 We had to retreat under <sup>as</sup> decent  
cover as we could invent. so  
now find ourselves in a worse  
position than if ~~it~~ had not gone  
at all - justifying my objections -  
We have about 60 Instruments that  
will not work at all. Those out  
require more attention than 500  
good ones should. my great object  
has been to prevent this weakness  
from being discovered - that it has  
not reached the Public through  
the anti Edison Prints & the Bell  
Co. is to me a marvel - explained  
only by the fact that it has been  
kept from their knowledge by  
keeping it from the knowledge  
of all but the necessary few  
of ourselves - This could not go  
on much longer - hence the value  
of this final discovery of a  
solid basis.

Now in R. to Boston: Mr. I  
have not yet seen him because  
I have been on my back - (back  
Case of Piles - result of my  
late Billous spell -) ever since he

7 arrived. but I understand he  
has been around the office and  
Chinning some of my Boys.  
White - I am convinced - is a man  
who will not object to a Commission  
- He hankers after all the Contracting  
- all of which properly belongs to my  
Dept. - I have yielded everything to him  
except the Mfg of Mats. that I won't  
yield under any circumstances -  
White is the only man in the Co who  
wants to see them made on this side  
All others say No - Edison must look  
to them - White's only object can be  
a personal one - as we are making  
them for less money by \$4.50  
than he can get English Mats to bid  
- He then tries to advance other reasons  
why they should be made here  
- but thus far he hasn't been able  
to even get any one interested in  
the subject. I simply meet him  
by telling them we can do it in  
America Quicker, Better & cheaper  
- When any one here can discount  
Bergmann in that - then I  
will try & get Edison to consent



8 to this being made on this side  
on the other objectionable grounds  
of interference with his Patent -  
My strong point with Barton is this -  
that Bergmann underbid his concern  
with the W.C. to such an extent  
that in spite of their owning  $\frac{1}{2}$   
interest in the W.C. - they were  
Compelled to give him an amount  
of work which raised him from  
a Petty lathe or two to a 1<sup>st</sup> class  
Manufactory: & that this when  
done - so alarmed them that they  
have since been trying to destroy  
him - I guess I'll lay on that?  
You must continue to do for us  
What you have thus far - It will  
bring you more than it cost. I  
have more weighty reasons for keeping  
this manfig in Bergmann's hands  
until I come back than the mere  
Monetary interest. I have projects for  
the future with that little Dutchman  
which can be realized only by my  
keeping him afloat while absent - I  
can easily do it when at home  
but never on this to any but Edison -

9. Gouraud made some fuss about the slight put upon him by Mr Co. & Edison in the matter of the Lancashire 10,000 £ - but it is all his own fault. The case stands thus

Original Power insufficient to enable Co. to pay Gouraud money under Supplementary Agreement.

Gouraud advised of this months ago sought to use it as a pretext for getting from Edison an Irrevocable Power - Had a proper Pof atty drawn up - but made it irrevocable - and in so doing over-reached himself. He got none = Consequently when money was ready - he was again informed his Power - insufficient. He affected great indignation. although nothing had been changed since he was originally notified - Edison was accordingly asked for an Order to Pay = He Cut Gouraud by Ordering it paid to himself. My impression is Gouraud will try to use this, as a new pretext for worming the Irrevocable out of E. - His ambition will never be satisfied

10. until he alone controls the Edison Companies in England Let Edison keep this always in mind and he will know what paper to sign =

Tell Edison not to send any more Boys like "Prasey" = we have no use for them - Tell him to now raise the standard - we want men who can take entire charge of the Eng<sup>l</sup> Dept in a new town = they must be as good as Rose or Rector & be presentable in appearance & language - Some important ones have you know - since our Promoters are lords of high degree - Rose is the best. Rector almost his equal - light life untired - others N.Y.

Truly Yours

E. Johnson -

Gold & Stock Telegraph Company,  
Western Union Building.

New York Nov 28<sup>th</sup> 1879

Mr. J. A. Edison.

Dear Sir:

There is, at present,  
so much work to be attended to,  
that it will be impossible for me  
to get down this week.

I would be very happy to take a  
trip down in the early part of  
next week; say Monday or Tuesday  
if convenient.

Very Respectfully Yours

Wm. H. Walsh.

195 Broadway

6 Lombard Street London E.C.

29<sup>th</sup> November 1879

Thos Alva Laxon Esq  
Mentor Park  
New Jersey

My Dear Sir

The inspector P. A. Daholm has  
arrived but he has not brought a note from  
you stating what salary he was engaged at. He  
says you promised him \$900 a year. Kindly  
inform me per return mail if this is correct.

In future when engaging these men please tell them their wages will be paid: in sterling at 4/- to the \$ as with those that have already arrived there is some question about exchange.

Yours truly,  
Geo. B. Gouraud

1480 and living  
do not know who  
were the  
people  
Kroon  
from Dutch  
water

1729  
HAYWARD & PERRY,  
Average Adjusters and Insurance Brokers.  
AGENTS FOR UNDERWRITERS IN CHINA, BOMBAY, JAVA & ROTTERDAM,  
CUSTOM HOUSE BROKERS & FORWARDING AGENTS,  
NOTARIES, (Notaries for Hanover Nat'l Bank.)  
No. 47 WILLIAM STREET.

New York, 1<sup>st</sup> Dec 1879

J. P. Edison Esq  
Menlo Park N.J.

Dear Sir

Your favor of 27<sup>th</sup> Ult<sup>o</sup> came  
to hand this morning, also notice  
of arrival of the 3 Cases Telephone,  
from the Messrs. R.P.C.

As the "Greco" having been  
delayed, we were just able to ship  
them by the morning. The full  
cham today and sail early tomorrow.

Now the three last lots, together  
10 cases, are on board that vessel.

Yours faithfully,  
Hayward & Perry.

180

Dec 3, 79  
10 o'Clock

Phonos  
Menlo Park

New chalks magnificent  
1 Crowd instruments and  
men pay more for  
higher grade

14 London

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Mansion House Chambers,  
Rooms 2713.

11, Queen Victoria Street, E.C.  
London Dec. 4. 1879

J. A. Edison Esq  
Mentlo Park  
New Jersey  
U. S. A.

Dear Sir,

I have to thank you for your communication of November 18<sup>th</sup> the contents of which are carefully noted. I shall be greatly obliged, if, from the date of the receipt of this letter, you will be so good as to have me informed of the contents of all shipments, and account of this company with detailed list of contents of packages. We have been subjected to some inconvenience from the want of this information.

I am,

Yours faithfully,  
J. A. Edison

Dear Sir,

Yours faithfully

Arnold White  
Manager

WC  
This is 2 weeks  
old GH

sec 7.29

Phonos  
London

Requires twenty hours  
after wetting before  
waters commence to  
speak loud, Don't  
mistake extra phosphates  
for extra waters, answer  
result,

22 miles during 7, 12.50 9, 10.



S. BERGMANN,

No. 100 WOOSTER STREET,  
MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Motographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, Dec. 8, 1877

My dear Mr. Edison:

This will introduce  
Mr. J. C. Rowe who has had experience  
as inspector with the Gold & Stock  
I think he would be a suitable  
man for Mr. Johnson. He will  
explain for himself.

Yours truly  
S. Bergmann  
proff.

[ATTACHMENT]

New York, Dec. 9, 1879

Mr. Edison -

Sir -

I would like a situation as Inspector of your Telephones. And have no objection to going to London, as suggested to me by Mr. Bergmann.

I have had several months experience with your Telephone as Inspector - and also with the Bell Telephone. Am with that Co. at the present time. Must say, I prefer yours.

If you will be so kind, and write me your requirements & terms. I will endeavor to comply promptly. Can start from here at a very short notice.

Your favorable consideration of this application will greatly oblige

I am an old telegrapher and have inspected printing instruments several years - mostly for the Gold & Stock

Yours Respectfully,  
Jesse C. Rowe  
Care Bell Telephone Co -  
82 Nassau Street

7  
Newark Dec 10<sup>th</sup> 79  
Wm H. P. G. G. G.  
and Dec 11

tell him Call to see me

29 W. Kinney St  
Newark N.J.  
Dec 10<sup>th</sup> 79.

Thomas Edison Esq.

Sir,

Having heard  
that you were about to estab-  
lish Telephone Agencies through-  
out Europe, I thought I would  
write & ask you if you could  
not give me a situation of  
some kind there, I know  
nothing about Telephones but  
feel confident that I could  
learn easily. Have had a  
years experience in General  
Telegraphy with N. E. Bell & Son  
of New York and can  
furnish the best of recomen-  
dations as to character & ability.

Should like very much to obtain  
a situation in Europe.

Can refer you to the following,

E. M. Plazano Esq.

L. P. Tillman Esq.

139, 141, 143 Centre St. N.Y.

also, Dr. P. W. Burdige,

38 W. Kinney St.

Newark,

Hoping to receive a favorable  
reply, I remain

Yours to Command

Wm H. Engstrom

29 West Kinney St.

Newark

3 Cable Dec 10, 29

Quirphone  
London

Telegraph. Thousand  
pounds for Bergmann  
all ~~new~~ wire materials  
and supplies shipped  
ten days ago

16 Minutes 10

300  
g

MANAGER & SECRETARY.  
ARNOLD WHITE.

*The Edison Telephone Company of London, Limited*  
*Meridian House Chambers,*  
*Room 20713.*

*11, Queen Victoria Street, E.C.*  
*London. W.C. 10<sup>th</sup> 1879*

J. A. Edison Esq

Menlo Park, New Jersey.

Dear Sir,

I beg leave to introduce to you Mr  
Alfred Hottell, one of the earliest shareholders  
in this Company.

He is about to proceed  
to the States for a few weeks, and having  
expressed a desire, to witness the working  
of your establishment at Menlo Park, I  
have ventured to introduce him to you.

Mr Hottell is acquainted with the  
practical working of the Company; and will  
be able to give you interesting information thereon,  
should you desire it.

I am, Dear Sir,

Yours faithfully.

*Arnold White*  
Manager & Secretary.

6 Lombard St. London.

11<sup>th</sup> December 1879.


Thos Alva Edison Esq.

Menlo Park. N.J.

My Dear Sir

Very Important

The enclosed extract is being extensively circulated here by the ~~Press~~ <sup>Press</sup> and has been copied by a very large number of prominent papers. It is causing a great deal of comment on all sides and unless it is authoritatively contradicted will very much compromise our position. I am anxious that nothing should appear over my name that can in any way be called in question so I refrain from addressing the Press on the matter until I have heard from you. Kindly mail me immediately on the receipt of this the fullest particulars so that I may set the matter forth in its right light.

Yours very truly  


[ENCLOSURE]

## LANCASHIRE TELEPHONIC EXCHANGE LIMITED. LIVERPOOL CENTRE.

REGISTERED AUGUST, 1879.

Licensed under and using the Patents of Professor ALEXANDER GRAHAM BELL, and other Patents of the TELEPHONE COMPANY LIMITED, 86, Coleman Street, London, E.C.

*Extract from the "BOSTON DAILY ADVERTISER," October 26:—*

THE TELEPHONE SETTLEMENT.—The rival and conflicting interests in the various Telephone Patents have at last been harmonised, and Professor Bell is master of the field. The Stockholders of the National Bell Telephone Company met in this city yesterday, and ratified the compromise by which all matters in controversy were terminated. The Western Union Telegraph Company, acting for and on behalf of the Gold and Stock Telegraph Company, the American Speaking Telephone Company, and the Harmonic Telegraph Company, agrees to withdraw from the Telephone business in the United States, leaving the field entirely clear to the Company operating under the Bell Patents. All persons who hold rights from other companies will be licensed under these Patents. The Western Union further agrees to allow the Bell Telephone Company a percentage on the telegraph business received through its instruments, and to co-operate to the extent of its power. Under this adjustment the Bell Telephone Company acquires all the Telephonic inventions of Elisha Gray, of Chicago, of Thomas A. Edison, of George M. Phelps, and all others who had assigned their interests to the Western Union, or other allied companies. The right to connect Telephonic District or Exchange Systems remains exclusively with the Bell Company, which will also license the Western Union to use the Telephone for transmitting telegraph messages. The compromise thus not only secures freedom from litigation and control of all the patents now out for the purpose of transmitting human speech, but establishes harmony of interests between the Western Union and the New Company, which must be of inestimable value to both.



[ENCLOSURE]

Donnell says  
Yours  
Regarding Bell  
9/11/13

That we did part with all the interests in his  
transmission in his telephone years ago to the Western  
Union Company - the interests has since been  
greatly improved by Bell & the Company have improved  
his interests - I would think we they have a perfect way  
to the Bell Telephone Co.

11, Queen Victoria Street, E.C.

London Dec 12th 1879.

Thomas A Edison Esq  
Menlo Park N.J.

My dear Sir/

I am preparing an exhaustive paper for publication on the subject of the Telephone and Telephone exchanges in America and am anxious to have reliable information on the subject. Will you kindly cause to be sent me replies to the following questions, as well also any data in the shape of publications by local Telephone organisations that may be conveniently at hand. You will be glad to know that the people on this side of the water are slowly but surely awakening to a realization of the value of this latest American invention; they need however to be made more fully aware of the real status in America and their enthusiastic support to its

introduction here can be had. I should like also - if not inconsistent with your interests - to have your views as to the position of the Edison Telephone under the fusion compact. Hubbard and his party here are making great capital out of the apparent fact that "Prof Bee is master of the field" They issue manifestoes to the Public enlarging upon this idea. Knowing as I do the real part played by the Edison Transmitter in making the Telephone a practical success in America, I shall not quietly submit to their sophistical representations.

I am

very truly yours

E. H. Harrison

Chief Engineer

The Edison Telephone Co.

of London Limited

1.  
Griffiths  
these qualities

11. Queen Victoria Street, E.C. 4.  
London 18.

1. How many exchanges in the U. S. 150
2. How many subscribers - Total. 90000
3. How many in - say - 4 of the principal cities. N. York. Chicago. Phila. & Boston
4. How many private lines equipped with telephones. 1000
5. What proportion of such private lines have been built expressly for the telephone
6. What the character of telegraphic instruments upon existing lines which have been superseded by the telephone
7. What proportion of the total number of telephones in use, are supplied with some form or other of carbon transmitters. 100
8. What the average number of "calls" upon an exchange <sup>wire as shown in a leading exchange</sup> say N. York.
9. What per centage of telephones are abandoned for other means of communication after having been fairly tried.

2

American - Phonograph.

11, Queen Victoria Street, E.C. 4.  
London. 18

10. What the rate of increase of the telephonic plant, as evidenced by the demand during the past 3 months
11. Is the telephone used anywhere in direct competition with the telegraph as a commercial carrier of messages.
12. Has the telephone developed or is it likely to develop any competitive function - i.e. does it in any way conflict with the interests of the telegraph Companies.
13. Has it proven a "Feeder" to the telegraph
14. What, if any interest has it readily assailed. Messenger etc. etc. etc.

And any other information not specifically asked for but which your experience suggests as important data for any purpose.

A.B. Of course in my Public communications either in print or from the platform

Griff.

Please refer the  
letter from Griffiths  
to Edson. The  
Will refer to  
me - C.

Ed. Johnson

9.

11, Queen Victoria Street, E.C.  
London..... 18.

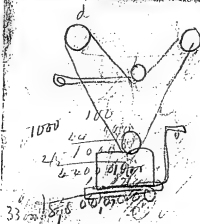
I shall take great pleasure in acknowledging my indebtedness to you for any information you may be pleased to give in response to the above queries.

I am very truly Yours  
E. H. Wharton  
Chf Engr.

My Dr Edison

This is a copy of what I have sent to Prescott and to my friend Bradley of the Bell Combination at Boston. If you can supply me with any of the information asked for please do so.

Yours  
E. H.



Hand-made paper

30 Hudson & Cherry

Manchester

Conn

Crane Pumps

Pittsfield Mass



FROM THE LABORATORY OF  
T. A. EDISON,  
MENLO PARK, N. J.  
U. S. A.

Phonos      Dec 12 1879  
London  
Hurry Quephone  
Money for Bergman  
He badly crippled want  
funds

1 Cable. Dec 12 79  
4:50 PM  
Edison Menlo Park

Cable shipments since  
November twelfth  
suffering

9 London  
direct  
HOG

2 Quipphone London Dec 12, 79

231 since Twelfth

5 Menlo Park  
Dec 12

570  
9-HO

sec 12-74  
Auraphone  
to  
Edison

sec 12-74  
Edison  
to  
Auraphone

MANAGED & SECRETARY,  
ARNOLD WHITE

The Edison Telephone Company of London, Limited.  
Mansion House Chambers,  
Room 207B.

11, Queen Victoria Street, E.C.  
London, December 12<sup>th</sup> 1879

J. A. Edison Esq.  
Menlo Park  
New Jersey.

Sir,

I am desired by the Board to inform you that they desire that the Contract for instruments now being executed by Mr. Bergmann should be placed upon a proper business footing; and I am accordingly to request that you will be so good as to peruse the enclosed letters and forward them to Mr. Bergmann, returning to the undersigned the draft letter sent for Mr. Bergmann's signature. I am

Sir

Your obedient Servant

Arnold White

Enclosure.

[FROM EDWARD H. JOHNSON]

Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the order of the following message.

A. R. BREWER, Secy.

NORVIN GREEN, President

Dated Cable 7/13 1879

Received at \_\_\_\_\_

To Thomas

Menlo Park

READ THE NOTICE AT THE TOP.

Money today

London

C28

6 Lombard St. London.  
December 22<sup>d</sup> 1879.

My dear Edison

Johnson's Agreement.

I beg to acknowledge  
receipt of parchment copy of this  
agreement duly executed by  
you -

Yours truly -  
Geo. E. Pomeroy  
Esq.

T. A. Edison Esq  
Menlo Park

6 Lombard Street, London.  
December 13<sup>th</sup> 1879.

My dear Edison

I confirm despatch of Instruments Important  
cable requesting statement of ship-  
ments since the 12<sup>th</sup> ultimo, and  
have seen your reply to Johnson  
stating that 221 have been shipped.  
It is of the utmost importance that  
we should be advised of the number  
of instruments that you from time  
to time ship and it would therefore  
be advisable that you should cable  
us particulars of each -

Kindly give this matter your  
attention -

Yours truly,  
Geo. S. Howard  
cc.

T. A. Edison Esq  
Menlo Park

*Original*

FROM THE LABORATORY OF  
T. A. EDISON,  
MENLO PARK, N. J.  
U. S. A.

Dec 18, 1879

Received from T. A. Edison  
one hundred and fifty dollars  
as advance salary on ac-  
count of services to be  
performed by me as  
Inspector of Telephones for  
the Edison Land operating  
Telephone Company of  
London England  
The money being necessary  
to pay expenses over to England

*T. A. Edison*

Dec 17 received fifty dollars  
in addition to above this day  
for same purpose and through  
Thos Edison

*T. A. Edison*



OFFICE OF REPORTER,  
**PASSAIC LODGE, 450, K. of M.**

No. 1 CEDAR ST., COR. BROAD, ROOMS, 6, 7 AND 8.

Newark, N. J., Dec 15<sup>th</sup> 1879

Mr Edison

Dear Sir

In conversation with friend of mine, they were telling me of the extensive business done in the manufacture of Telephone, and so I take the liberty of addressing you on the subject hoping that you might be able to do something for me in way of employment, I am a mechanic, but believe that I might make myself useful to you in your business, I can give the best of references both in this city and N. Y. Hoping to hear from you I remain,

Nathl. Bonwell

Come & see us

No. 1 Cedar St.  
Room 7  
Newark  
N. J.

W. H. Hulse  
Railway

Come down & see me

New Dec 24/79

1879.  
Prof. P. H. Hulse, N.Y.  
L. J. Edison,  
Minlo Park, N.Y.  
Dear Sir:-

Having been in-  
formed that you  
are putting up  
Telephones in the  
different cities and  
towns of this coun-  
try, which necessitates  
the employment of  
a large number  
of men, I would  
respectfully make  
application for a  
position.

I can furnish  
satisfactory references

when required.

W. A. Mills,  
Boat H. St. J.

Come down & see  
me —

— sws —

— sw

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Messrs. Messrs. Chambers,  
Room 2113.

11, Queen Victoria Street, E.C.

London Dec. 16<sup>th</sup> 1879

Thomas A. Edison Esq.  
Meads Park  
New Jersey.

Dear Sir,-

I beg to draw your attention to the fact that this Company have as yet received no acknowledgement from you of the £1000 cabled out through Messrs J. S. Morgan & Co on the 17<sup>th</sup> November on Instrument construction account.

I further beg to inform you that the sum of £1000 on instrument account has this day been paid to Colonel Gouraud.

Yours faithfully

I am,

Dear Sir

Yours faithfully

Arnold White

Manager

I may explain that as a public company we have to satisfy our auditors of the fact that remittances reach their destination.

AW

Vol. 1 of 2, 1879-12-16  
My Dr. Edison London Dec 16/79

Of course there has been a little friction  
about the money matters - The Company  
now standing, as having paid you directly  
& indirectly some 18,000£ on 24 of Inst.  
& having as yet recd but 275 Inst. &  
4 Switzerland's in all - Of course we know  
there are more than this done - but you  
see the margin is a large one between  
what we have recd & what has been  
paid for. It only needs some little  
accounting - In re to the Personnel  
Contract - White - who is a Director for  
forms - insists that in a Business  
place & have forwarded a Contract  
for the Company's approval. I only  
get this out of him when the money  
question comes up. As you insisted  
on this thing being done through  
you - you are of course looked to  
for an accounting of the moneys  
placed to your credit. I took off the  
rough edge by explaining that you  
were accustomed to having the forms  
etc. formulated & presented to you  
for signature - so Bourcier told  
White to write this out for Bourcier  
& I said to you - I call upon you  
for a statement of use made of  
moneys already forwarded - White  
insinuated that you were paying B.  
in advance in order to enable him to  
do the work - I could not deny this  
without offering some other explanation  
& as I had no other to offer, I

Draft.

Mr. S. Bergmann  
100 Wooster Street  
New York

The Company are desirous that the Contract now being executed by you on their account shall be placed forthwith on a proper business footing. I have to request therefore that you will sign the accompanying letter addressed to the Company and with in future comply with the conditions herein set forth. The Directors of the Edison Telephone Company of London Limited hereby confirm order originally made through Mr. Edison for 2000 telephones complete according to sample instrument furnished by Mr. Edison at the rate of 13 dollars 82 cents each.

Each telephone made by you on account of the Company to be approved by Mr. Edison. The method of payment to be as follows.

On receiving from you invoices bearing Mr. Edison's signature (or his signature to indicate that the telephones referred to are according to sample) you are authorised to draw on this Company through Messrs. Dresel & Co for the amount of the invoice. Bills of lading to accompany the invoice and advices of each shipment to be transmitted direct to the undersigned.

I was compelled to sit quietly under it - although I know it is not true - and unjust alike to you & to Benjamin.

You see this whole business is mixed by Gouraud's ambition & how the money passes & you through him - White is afraid to face him down on this - & so the matter runs, until it is brought to a head by the directors demanding to know what is being done with the money - Where is it produced - You shilly Gouraud with accounts - these go on his books & do not appear on those of the Co. because I have never yet rec'd from the Co. the \$5000 advanced by him to you. Yet when the question arises as to what you have done with the money sent you - this \$5000 is always leggit. as to swell the amount - & Gouraud permits it without offering the a/c's forwarded by you in answer. Now the thing for you to do is to demand that you will

19.2<sup>Rev</sup> of 2, 1879-12-16

receive orders for goods only from  
 one person - to whom you  
 will a/c for what you do -  
 Or in the event of the Company  
 refusing to send its orders through  
 yourself - or yourself through  
 the Company - you can open a  
 double a/c. One with G. personally  
 and one with the Company -  
 according to each for the  
 expenditure of the monies they  
 deposit to your credit. This is  
 the best way - though the objection  
 to it heretofore has been that  
 so few drafts were coming that  
 they had to be appropriated on arrival  
 by whichever interests needed them  
 the most - G. or the Co.

This is no matter of my concern -  
but as it is on the Tapis at the  
moment I give you the hints.

"The word "received" in the Program paper is construed to mean when the goods are accepted by you & delivered for shipment. Hostile Engraving



FROM THE LABORATORY OF  
T. A. EDISON,  
MENLO PARK, N. J.  
U. S. A.

Dec 17<sup>th</sup> 1879

Phonos

London

Much more than London  
~~Lancaster~~ Limerick Glasgow

Batavia

As I have already said my English patent  
to English parties I would be  
impossible for me to sell any  
telephones to go to England - we are shipping 200  
of them weekly to London 44 Broad Street  
Office 11 Queen Victoria Street New York. 17 Decr 1877.

- Edison Esq  
Menlo Park.  
N.J.

I am over in this country on a tour of inspection  
for a very large manufacturing firm (Cope Bros & Co. Liverpool, Eng.)  
employing over 1000 hands: everywhere I have been in the U. S. the great  
advantages of your telephone have forced themselves upon me. Last  
winter we introduced the Electric Light into our works & now we  
would very much like to possess a few of your Telephones free  
from all injunctions or other rights, that is purchase them right  
out. As you are doubtless aware the progress the Telephone is  
making in England is very slow & no doubt it would be to  
your interest to be able to refer persons to a place where several  
are in constant use, than to simply tell them of its advantages  
for after all English people must see the practical advantages  
of inventions before they will freely take them up.

As I desire to sail for England on Saturday 20<sup>th</sup> inst I would  
take it as a great honor if you would kindly deal with this <sup>affair</sup> as  
early as possible. I would very much like to take a few with me.

I have the honor to be  
Your obedient servant  
R. Bracey of Great Britain  
Fellows of the Chemical Society of Great Britain

WESTERN ELECTRIC MANUFACTURING CO.  
62-68 NEW CHURCH STREET,  
NEW YORK.  
CHICAGO,  
232-234 PULVER STREET.

Thomas A. Edison,  
Dear Sir,

If I guarantee people would

consider a proposition to Consolidate, each side to  
have Stock equal to cost of their Plants, in a  
new Stock Company, and either side subscribes  
to what ever they might want. I can  
arrange such a Consolidation at once, and  
stop all litigation, and opposition.

The Bell Co are getting <sup>20</sup>Twenty  
Pounds a year, and Edison only twelve.

Can you do anything to put me in the  
way of accomplishing this, and would you approve  
of such an arrangement. If not what would  
you consider fair. Answer to gram and letter  
so I can hold parties. Yours Sincerely,  
D. H. Dunderback Co.

*Some day perhaps  
offer my proposition  
for consolidation  
on having some part  
of good stock  
for value*

1879-12-18



6 Monro London Dec 12 79.

Sanders of London

Desires Bergmann take  
order thirty thousand dollars  
He will refuse if Quephone  
will keep him going answers

22 menlo Park  
212 pm 9th

[FROM EDWARD H. JOHNSON]

T. A. EDISON.

Menlo Park, N. J.,

Dec 19 1879

Cable

Edison Menlo Park

Company look Bergman  
for supplies while  
instruments and prices  
are satisfactory

13 London  
Hs 7

1879 12-21

The Edison Telephone Company of London, Limited  
Mansion House, London, E.C. 4  
Queen Victoria Street, E.C. 4  
London 78

MANAGER & SECRETARY,  
ARNOLD WHITE.

Personal

17 Church Row  
Hampstead Sunday 21 Dec  
79

My dear Johnson,

According to promise I briefly  
commit to paper the record of an attempt  
on the part of the Post Office people to form  
an alliance with the B. Co. & the means which  
have been taken to defeat it.

In the course of the week  
information reached us that the Chairman  
of the Civil Co. was boasting throughout  
the fortnight that he was about to spring  
a bomb-shell under the Edison Company.  
As the only bomb-shell that could materially  
affect us & its explosion was an alliance  
between the P.O. & the B. Co. It once  
brought my attention to this question &  
"from information received" found that  
negotiations with the P.O. had nearly  
culminated, and that the B. Co. & the P.O.  
offered only one one point. The price

of the Bull Co.'s <sup>2</sup>allegiance to the I.O. was to be 10% on receipts & 50% on exchange sub-  
sides. Mark this. The pay for this unholty  
alliance was to be

1. Government prestige & patronage.
2. Government buy-leases over Duck's  
railways, highways & <sup>tea</sup> farms  
which we are now shut out.
3. Post office patronage for the Bull-Blake  
instrument

(Note that the buy-leases alone are worth 10%.)

Parliament not sitting it was clear that  
one of two courses were open to this company.  
A. To frighten the I.O. into joining us the same  
terms in the same way as the Bull Co.  
B. To pick differences with the Bull people on  
patent questions (prolong); join hands with  
them and fight the Post office together.

Christmas being near, <sup>the</sup> Board is not sitting  
so I went to the chairman, & obtained leave  
to use his name personally in the matter.

Knowing the desirability of having a good  
fitness in the room when a matter of  
importance is being discussed, I arranged that  
the General Manager of the London & Brighton  
Railway, who accompanied me to the I.O.  
with reference to another matter, about which  
I need not trouble you. I committed to him



what I proposed saying, and taking Mr. Knight <sup>the G. M.</sup> into my confidence and him what I had written that his memory might be clear and fresh if Mr. Patey (the P.O. Secretary) unfortunately chanced to forget what was so soon to transpire.

We went; saw Patey alone; Knight got through his business, when I opened mine.

Thanking him for his courtesy in favoring me his valuable time, I asked P. to tell me whether the Bell Co. were about to arrange.

Patey. "Yes they are."

White. "Then may I ask if the P.O. were free to the Edison Co. terms identical to those given to the Bell?"

P. The Department wish to deal with the Loughmans alike.

W. That being so will you be so good as to give me details of those terms that I may lay them before my Board.

P. No I cannot do that. You must first ask for "a license".

W. Have the Bell Co. asked for a license?

P. No; we are negotiating.

W. But I understood you to say just

and that the <sup>H</sup> Department wished  
to deal equitably with both Co's. &  
just to administer between them.  
That being so I ask you once more  
to give me the exact details of the  
sums offered, or about to be offered  
to the B.C.F.

J.

That I cannot do.

W.

Then Mr. Paley, understand distinctly  
that I am empowered by the Right.  
Hon. E. P. Bowser to inform you  
that he will make this some  
other matters a personal question  
between himself & the Postmaster General.  
Oh.

J.

Now I had done with Knight so he rose to  
go. & I went into certain details with Paley  
of inequitable treatment between the two  
Companies. He defied me to give him any.  
I gave him three.

1<sup>st</sup> The S.O. proceeded against us - the younger  
& against the smaller Co. first and alone.

2<sup>nd</sup> The S.O. winked at the use of the B.C.F.  
of railway zones for the telephone: while  
now we were prejudiced everywhere from these

age.  
3 The Bell Telephone <sup>5 the "Maké" Committee</sup> was being supplied  
by the P.O. & the Edison instrument had  
never been tried. I quoted the exact  
numbers.

Now, I said, Mr. Patey, these are not my  
opinion or idle hearsay. Go and verify for  
yourself. Furthermore Mr. Patey, I must ask  
you at once to stop the Bell Co. from  
using wires on the Underground railway  
(the Key to London) as we are stopped  
on other railways.

"I will at once" he said.

Now Johnson, we had that day obtained  
the Metropolitan Board of Works Subway,  
not under the control of the P.O. so that  
our cards seemed to play well. So far.

leaving the P.O. I then met  
the man on the Bell Board with  
influence and brains: spent four hours  
with him.

Now, I said, Mr. Patten, I have  
just come from the P.O. and have  
stopped your ~~own~~ railway communications.  
This gives you a taste of our quality. Shall  
we go on quarrelling before the common

6

enemy, or join hands on the Commun question. "By all means" said he

Then said I sit down & write at my dictation. This he did, & the enclosed private agreement is the result.

The effect of the days negotiations are as follows -

- 1 - Solution of Bell-P.O. alliance.
2. Destruction of Bell railway-facilities
- 3 Gain of Subway Communications for ourselves
4. Junction with Bell against Common enemy - <sup>without least prejudice to present question</sup> on which we shall now almost certainly beat - if not we shall get far better terms. The P.O. wd have taken us in detail, and smashed us separately. Now we are united: & it won't be my fault if the spirit of compromise turns the present arrangement.

How do happen to communicate, this on part of it to Mr Edison. I venture to express a hope that you will pay how great an honour I feel it to have never so small a part of his interests in my keeping. Yours very truly

Wm. L. Miller

MANAGER & SECRETARY,  
ARNOLD WHITE.

The Edison Telephone Company of London Limited,  
Aldershot House Chambers,  
Rooms Nos. 113.

11, Queen Victoria Street, E.C.

London Dec 20<sup>th</sup> 1879

Private

1. The Bell Company and the Edison Company to join together, for the purpose of fighting the Post Office.
2. Neither Company to accept any terms from the Post Office, or to compromise with them, without the consent of the other.
3. Any terms given to the one Company, to be given to the other, also, at the same date.
4. All negotiations with the Post Office of any sort or kind to be common property and to be communicated, one to the other.
5. The Bell Company and the Edison Company through their respective Solicitors shall intimate to the Post Office forthwith that they have a common action, and that a Joint Committee has been appointed to deal with this question which shall accordingly be done.
6. The above to be without prejudice to any question as to patents or otherwise between the two companies.

This was in Batson's  
writing not mine: signed I think  
not me. checks it back better.  
M. L. White

per J. W. Batson

Blank No. 1

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which, here  
and there, is subject to the order of the sender. The sender is responsible for the accuracy of the message, and the Com-  
pany will not hold itself liable for any error in the sending of messages for compensation, and the Com-  
pany assumes no responsibility for the transmission or delivery of telegraphed messages.

A. R. BREWER, Sec'y

NORVIN GREEN, President.

Dated Cable Dec 22

1879

Received of

Edison

menlo park

READ THE NOTICE AT THE TOP.

Waiting punchboards  
instrument simply  
ruin most urgent  
crowd everything

11 London

Hot Phonos London

Great abundance material

gone forward, ~~for~~ Gourauds  
agents here slow, ~~the~~ ~~the~~  
will change,

Newark Dec 22/79  
To Mr. Edison  
A Dear Sir

Newark,  
Dec. 22/79

Mr Edison,

Dear Sir,

I learn that  
you are sending out  
Telephone Operators, and  
would like to know if you  
could give me a chance,  
to try. I have been in the  
Long business for some  
time, but am not well  
satisfied with it. I am also  
ignorant as far as a  
Telephone is concerned,  
but am willing and  
ready to learn,

trusting you will give  
me a favorable answer  
I remain very  
Respectfully yours

E. S. Nichols  
# 901 Broad St.  
Newark  
N.J.

Came down



Geo. E. Brown  
Recd Dec 22, 77  
71. Stillville, N.Y.  
Newark, N.J., Dec 22, 77

Mr. Thos. Edison,  
Dear Sir.

I trust you will pardon the boldness of the undersigned, a total stranger, in addressing you. As I had not the means of securing an introduction without some little delay which was unwilling to risk, I determined to address you myself in my <sup>own</sup> behalf. I have heard from a friend that you are employing young men to send abroad, to business connected with your telephone, and it is for some such <sup>employment</sup> ~~business~~ I desire to apply.

I am a graduate of Yale College, class of '79, and possess high recommendations from President Porter, & various Professors, which I will send if desired. I can refer you in Newark to Mr. Barringer, Secy. of Pub. Schools, E. O. Hovey, Principal of

the High School & others.

I maintained apparatus at college,  
& was through a good course in Phys-  
ics, which would enable me readily  
to pick up knowledge connected with  
your instrument. Besides, I am

well versed in the German lan-  
uage, having heard it spoken from  
birth, & having studied it for years.

I should have no difficulty in  
getting in at the German cities.

I shall not trouble you any further,  
and will close, hoping that you  
will give my case <sup>the</sup> consideration  
you deem worthy.

Respectfully, your obedient servant,  
George C. Davis.

P.S. I can send recommendations  
at once, if desired. I am very  
desirous of getting employment, as  
I have been obliged by financial difficul-  
ties, to give up former plans. I am willing  
to work hard, & have no doubt but that I  
could give good satisfaction. G.C.

I am acquainted with Mr. Seymour  
whom I understand are in your employ  
and with him. He can give  
you information about me.

Cpy

1 New Court, Carey Street,  
London 20<sup>th</sup> December 1879.

Dear Sir,

Edison's Patent 2909<sup>71</sup> Disclaimers.

A perusal of our opponents objections, now, we may hope, all received, confirms the opinion that the description contained in the above patent does in fact cover all practicable forms of Carbon and other transmitters which effect a variation of the electric current by means of varying contact in the circuit, and that therefore, if the disclaimer is granted, the Edison Telephone Company of London will be at once in a position to take proceedings with every prospect of success against all persons (the Bell Company included) who are using any form of such transmitter, whether known as Blakie's, Crossley's, or by any other name. In fact this is virtually conceded in the objections - the main ground of opposition being that the result of the disclaimer will enable the Edison Company to take such action.

Our opponents will therefore inevitably use every effort to prevent our succeeding

2  
1  
at this stage and we must put forth all our strength to secure success. So far as we can at present see our evidence will have to be addressed mainly to two points.

- (1) that the varying tension regulator as claimed was invented by Mr. Edison before the date of the patent and that it is fully and accurately described in the patent as originally drawn, and
- (2) that there has been no undue delay on Mr. Edison's part, or on that of his representatives, in proceeding with the disclaimer - such delay, if it could be proved, would give our opponents a claim to "terms" in respect of expenditures already incurred by them and business created, and might go far to defeat our application altogether.

Mr. J. H. Johnson has written to us expressing his belief that it would greatly strengthen our hands before the Attorney General if Mr. Edison could be induced to come over and lend us his assistance on the spot. It would be a strong lever in our endeavours to get an early appointment if we could say that he

2  
had come and was waiting in this Country to get the disclaimer passed, and his assistance would moreover be invaluable in the preparation of our evidence. We beg therefore to submit that a representation should be made by the Board to Mr. Edison as to the great importance of his presence.

We should hesitate to urge the Board to make such a request but for the belief that Mr. Edison will be desirous to do all that lies in his power to cure defects in the patent, which is the very foundation of the Company. He will readily understand that when the Company was formed, although it was advised that his invention was adequately described and claimed, the Company was not in a position, without information not then before it, to estimate the risk there might be to the patent through the presence of what it is now found necessary to disclaim, and he will feel that a Company which has already paid him £15,000 in respect of advanced Royalties and is prepared to spare no expense to maintain the patent rights may fairly look for

his energetic co-operation at such a juncture.

If that co-operation is given we may hope shortly to see his interests in the telephone, as far as this Country is concerned, permanently secured, and also a fair return to the Capitalists who, unless the patent is maintained, will be grossly disappointed.

It will probably for the present be enough if the Board should apprise Mr. Edison of the position of matters, as above set forth, so that if it should send him a cable message later he may be in a position to judge of the urgency of the case. It is not likely that he would be actually required before the middle, possibly not till the end of January.

We are, Dear Sir,  
Yours very faithfully  
Waterhouse & Wankersbotham.

(Signed)

Arnold White Esq.

Secretary & Manager

Edison Telephone Company of London Ltd.

11 Queen Victoria Street E.C.

[ATTACHMENT]

Patent No. 2909.  
Thomas Alva Edison

Copy  
Notices of Objections  
filed in opposition to  
application for Disclaimers

---

Walterhouse & Wintubotham  
1 New Court  
Lincoln's Inn  
W.C.

Patent No. 2909. Thomas Alva Edison

Copy Notices of Objections filed in Opposition to  
application for Disclaimer.

Copy Notice of Objection filed by Messrs Brandon &  
Morgan Brown.

We Brandon and Morgan Brown of 38 Southampton Buildings in the County of Middlesex Engineers and Patent Agents do hereby give notice on behalf of the Telephone Company Limited of 36 Coleman Street in the City of London that we object to the above Disclaimer on the ground that by the proposed Disclaimer the Petitioners seek under the pretence of striking out portions of the Specification to enlarge the claims in the said Specification and thus make those claims extend to include matters and things which said matters and things not having been invented at the time when the Specification was filed could not have been described in the said Specification or included within the claims therein with the object after the entering and filing of the said Disclaimer of instituting legal proceedings against the opponents for the use of apparatus alleged to be infringements of the said Patent upon which said apparatus and the public use thereof the opponents the Telephone Company Limited have embarked a very large capital.

Dated this 29<sup>th</sup> day of November 1879

Brandon & Morgan Brown  
Agents



Copy Notice of Objections filed by Louis John Crowley

I George Frederick Redfern of 44 South Street  
 Tinsbury in the County of Middlesex Patent Agent do  
 hereby for and on behalf of Louis John Crowley of  
 Halifax in the County of York Carpet Manufacturer give  
 notice that I object to the fiat of the Law Office being  
 granted for leave to enter and file the above Disclaimers  
 and Memorandum of Alteration and the grounds of  
 objection are that if the proposed Disclaimers and  
 Memorandum of Alteration be allowed the portions of  
 the Specification which will thereby be struck out  
 and altered would materially alter the meaning of  
 the Specification and so enlarge the claims as to give  
 the said Specification and Claims the appearance of  
 covering or including apparatus or parts of apparatus  
 and things which were not invented and therefore  
 not intended to be protected at the time of the  
 filing of the said Specification but which apparatus  
 or parts of apparatus or things have since been  
 discovered or invented

And the granting of the said Disclaimers would  
 enable the Petitioner to threaten those who use  
 the instrument or apparatus hereinafter mentioned  
 of the opponent for whom I appear as Agent with  
 legal proceedings for the use of the said apparatus  
 alleging the manufacture or use of the same as  
 apparatus to be infringements of the said Letters  
 Patent and for which instrument or apparatus the  
 opponent has obtained Letters Patent and of which  
 said instrument or apparatus a large number have  
 been sold and in the manufacture of which the  
 opponent has embarked much capital

Dated this 8<sup>th</sup> day of December 1879

G. F. Redfern  
 Agent

*Copy Notice of Objections filed by the General Telephone Agency Company Limited*

- The General Telephone Agency Company Limited of 223 Gresham House in the City of London opposes the application of the Edison Telephone Company of London Limited for leave to enter a Disclaimer, and Memorandum of Alteration of Letters Patent No. 2909 dated the 30<sup>th</sup> July 1877 on the following grounds*
- 1 Because the General Telephone Agency Company Limited (hereinafter called this Company) has succeeded to and taken over the contracts agreements and business of Adam Scott and Charlton James Holliston (who are also members of this Company) in connection with Telephones and because this Company has entered into financial undertakings and liabilities in connection therewith and was established expressly for the purpose of manufacturing renting selling and using telephones of various kinds and among others of telephones which if the aforesaid Disclaimer and Memorandum of alteration be allowed this Company would be prohibited in dealing in and hereto greatly injured.*
  - 2 Because the said Adam Scott and Charlton James Holliston (the benefit of all whose rights and interests in connection with telephones and telephonic communications this Company has by valuable considerations acquired) have been engaged in and connected with the telephone business ever since the introduction of the telephones into this Country and because the said Patent which is now sought to be disclaimed has for the last 25 years been practically public property inasmuch as it was known to be invalid and void because it contained and claimed inventions or contrivances made by other than the said J. A. Edison and patented and published previously and because it contained contrivances that were neither novel nor useful. These facts indeed are admitted by the Petitioners in their Petition*

- 3 Because in consequence of the said Patent being thus issued the public generally and this Company specially by and through their predecessors numbers agents and contractors as well as in its own right had acquired the right to manufacture sell and use any of the so called inventions included in the said Patent (except those patented previously by other than the said J. A. Edison) and because the granting of the disclaimer would deprive this Company of their rights so to manufacture use sell and deal in such telephones and telephone apparatus.
- 4 Because among other Contracts and Agreements voted in this Company there is an Agreement made by their predecessors (who are also members of this Company) with the Telephone Company limited by which this Company has by large payments already made and further large payments undertaken to be made in the future acquired the right to manufacture sell import export and deal in all telephones subject to the patents of the Telephone Company limited for the time being and because among these patents is one for a carbon transmitting telephone known by the name of "Plakies Transmitter" which telephone is largely in use in this Company's country and because if the disclaimer be allowed this Company would be prevented from using to their full extent the rights thus acquired by them for valuable consideration and would be greatly injured and prejudiced in their business.
- 5 Because this Company and its predecessors whose rights and interests are vested in this Company have made used and dealt in telephones which if the disclaimer be allowed this Company would be prohibited from making using and dealing in to its loss and prejudice.
- 6 Because if the said Patent be amended by disclaimer as proposed it by reason of such disclaimer will be made to cover inventions neither designed nor anticipated by the said J. A. Edison when applying for such Patent and that this would be to the prejudice and injury of this Company.
- 7 Because in the Spring of 1876 Professor Hughes?

invented the Microphone as a transmitter for the telephone and in May of that year published his invention and presented it to the public and because it is sought by means of the Disclaimers aforesaid to make the Microphone subject to the said patent of J. A. Edison

8. Because this Company has made and dealt in the patent transmitting telephone known as Crooks Company's Microphone Transmitter and because such transmitter is also used by Customers and Agents of and Contracts with this Company in combination with the receiving telephones supplied by this Company and because if the Disclaimers be allowed this Company would be materially injured directly and indirectly in connection with such transmitters by being prohibited from making selling using and dealing in such transmitters as this Company believes might be the case.

9. Because this Company has used and dealt in the patent transmitting telephone known as Humming transmitter combined with the improvement upon it patented by the above Mosley and because this Company believes it would be materially injured by being prohibited from making and dealing in such transmitters as they believe would be the case if the said Disclaimers were allowed.

For the Special Telephone Agency Company Limited  
J. A. Mayo

London, 13 Dec: 1879.  
Secretary.  
To Her Majesty's Attorney General.

Copy Notice of Objections filed by Messrs.  
David Mosley & Sons.

The David Mosley & Sons of Manchester Glasgow  
and London oppose the application of the Edison Telephone  
Company of London Limited for leave to enter a Disclaimers  
and Amendments of Alteration of Letters Patent No 2909

dated 30th July 1877 on the following grounds.

- 1- We by payment of valuable consideration have acquired Mr. Cummings' patent for Carbon Transmitters and also at our own cost have improved the same transmitters and have patented such improvements and we therefore object to the proprietors of the said patent of T. A. Edison being permitted by the allowance of any Disclaimers to deprive us of any of the rights and privileges now vested in and exercised by us or to prevent us in any manner from using and dealing with the inventions covered by our patents above referred to.
- 2 For more than two years past we have been largely engaged in the erection of telephone lines and the supply of telephones and telephone apparatus and especially have made use of the routes and dealt in transmitting telephones under our patents to a considerable extent and any limitation of our rights would be greatly to our prejudice and damage the more especially as we have entered into <sup>extensive</sup> engagements in connection with future supplies of telephones and with the manufacture of the same.

For David Mackay Sons.

J. A. Mayo.

Agent.

17th December 1879.

- Chapel Street Works

Oldrick

Manchester

Ed.

Newark N.J. Dec 23<sup>rd</sup> 1899  
To Prof J. D. Edison.

Dear Sir:

I hear you are taking  
young men and teaching them to  
operate on the Telephone pre-parator  
to filling positions on the same.  
I therefore take the liberty to write to you  
asking if such is the case and if so will  
you give me a chance at the same as I am  
in need of some steady paying business.

Yours Truly,

Come & see me J. H. Soden

76 95 Sherman Ave  
Newark N.J.

London. <sup>file</sup> Dec: 23/79-

My Dear Edison

I am to write you to prepare your mind for a Supplication which will shortly be transmitted to you by the Board. It is this - A call upon you to visit London - Hold on now don't rear too high - you may fall over backward -

The Phantom has appeared with increasing frequency during past two or three months - until now it has assumed a material form & there it stands - in bold relief - & won't be put down - You may rest assured I have represented the great difficulty of getting you here in the strongest possible way -

And the inconvenience to you, just at this juncture is fully appreciated by the Board - but nevertheless the stubborn fact remains that your presence is of vital importance to save your British Patent -

Will try & depict the situation -

Waterhouse, Johnson Johnson & Co. have exhausted themselves in an effort to reorganize your Patent so as to put it in fighting shape -

Their work is done - the Disclaimers have been applied for -

Mess Messer - & Benjamin - the

2  
brightest light in this firmament  
(Benjamin of the late C.S.A.) <sup>has examined</sup>  
And pronounced by them perfect in  
all its details.

The next move to get an appointment  
for hearing before the Attorney General -

- This is the weak point - The Bell Co  
and 10 or 20 others users of Microphones  
are opposing us - Tooth - Foot & Nail -  
- They have filed their objections to  
Our Disclaimer - And are now  
engaged in efforts to Postpone the  
hearing - We must have a pretext  
for demanding immediate attention  
(ie - a hearing in January) -

The objection of ~~the~~ Our Opponents  
is to the effect that Our Disclaimer  
if allowed - will cover the Microphone  
- an admission that they are operating  
solely upon the fact that our Patent  
as it stands is a bad one - The Disclaimers  
will make it a good one - Consequently  
it must not be allowed -

There is a precedent for refusing a  
disclaimer under circumstances  
where its allowance will annihilate  
larger interests - ~~by reason of~~ <sup>by reason of</sup> then  
~~defeat~~ <sup>defeat</sup> the parties (seeking to  
defend the Patent) <sup>are</sup> applying for  
~~such~~ <sup>this</sup> disclaimer, in the face of the  
fact that larger interests ~~are~~ <sup>are</sup>  
growing under their notice - by virtue  
of the opposition that no infringement  
was being made -

It is feared that the Bell Co  
will plead this to some purpose



- 3  
to defeat the plea - we must be  
able to show several things  
1<sup>st</sup> That we have showed due  
diligence in seeking to amend  
our Patent -  
2<sup>nd</sup> That the Bell Co. have only within  
a very short time sought to introduce  
the thing which infringes us -  
3<sup>rd</sup> That inasmuch as we had no  
recourse in England until the New  
London Cause was out - we were  
unable to organize a Capitalized  
interest - to defend the Patent -  
that as soon as we had done so  
- we immediately began proceedings  
for our defense —

It is now pretty clear that the P.O.  
people will be able to bring  
a perfect cloud of witnesses  
against us on the question of  
Whether or no the Telephone  
is a Telegraph - These witnesses  
are already visiting us under  
the guise of Public inspection  
for the Govt. Thus they become  
arraigned against us - and  
doubtless are made to feel  
by Beece & his crowd that we  
are interlopers on Bell's territory  
and should be suppressed -

This is only a feather in the true  
- but from the composition of  
the crowd - I can see they are  
ripe & ready witnesses against

4 Of course the Bell people will avail themselves of them - In point of fact every man who wants to curry favor with the R.O. will help the Bell Co. in offering our disclaimers - Now what have we to array against them.

1<sup>st</sup> - Sir Wm Thomson - is already under promise to help them

2<sup>nd</sup> Tyndall will probably fight this of us because we are not popular with the Scientists -

I am practically alone - and am handicapped by being unknown and being in the employ of the Co -

The R.O. people are pursuing us & not the Bell Company -

All our Dist. Co. Organizations have come to a dead halt because of this Govt raid upon us -

Now what is to be done -

~~we~~ We must get our Disclaimers - and then compel the Bell Co to come into our fold at our own price - or at all events to unite with us as against the R.O.

The chances of our doing this are at present slim -

This is the status - & it has come to be conceded by everybody that

5 Every weapon in our hands must  
be used or we shall fail -  
Our strong card, is the one that  
will enable us to force a hearing  
Now before the Atty Genl.  
The only way to do this is to import  
you - & then notify the Atty Genl that  
you are here for the purpose -  
Benjamin, says this will ensure  
us an immediate hearing -  
Then again Waterhouse feels that  
in the arguments against the  
Microphone you could give us  
incalculable aid.

So my dear fellow it comes to this -

In America you were deserted  
In France you were outwitted  
In England you are defended  
but you are asked to lend the  
weight of your personal presence  
and aid in the defence -

We mean to have one Telephone  
floating the Edison flag -

If not it will be a confession  
that your Carbon discoveries are  
all nil -

As the time for the crucial test  
approaches your Capitalists everywhere  
seem to weaken - In America it  
was an amalgamation - In France  
they only glanced at the Patents  
In England they have been  
thoroughly examined - & yet as  
the judgment day approaches

6

the Capital takes fight - and I do not feel at all safe in view of the fact that the Bell Co are so strongly aided by the P.O. and at the same time keep constantly daubing the Amalgamation Temptation before our eyes - I cannot alone support all these weak knees - you must come & help me - If you have any faith in the issue yourself

I want you to write me a letter of Introduction to all the Big Guns of Science on this side whether English, French or German - Whom you have reason to think will lend you a helping hand in the matter - Even a letter to Sir Wm G. from you asking him to give you the benefit of his opinion on the matter - will be of value - it would restrain him from going too far on the other side -

Cable me the names of a few to whom you will send me introductory letters - that I may put myself in communication with them in advance by simply saying "You will write & requesting" - We must act promptly - or we shall be beaten -

Yours Truly  
E. H. Johnson

[FROM EDWARD H. JOHNSON]

T. A. EDISON.

Mr Menlo Park, N. J., Dec 24 1879

Table

Edison Menlo Park

Times Clock works  
pressing importance

London

T. A. EDISON.

Menlo Park, N. J.

Bill amalgamation

Wrote this to you

Col 17 Dec 24

July

My party in this country were  
saddled with W. A. C. s now 4 yrs  
ago and I had to do with  
this considerable interest. Had  
I not allowed for this to the  
Ball Tel. I would not now  
be in existence as they have  
never been able to use the  
Tel. practically in this  
country. It is of my Carlin  
transmitter which was pirated  
in this country by Ball Co.  
in retaliation for the piracy  
in the past of the wire of  
the Ball Co. over the wire of  
the Carlin Co. who neglected  
long & expensive suits hence the  
W. A. C. who are now big of  
their country and at

Consolid of int was beat  
 and a Consolid was made.  
 — wh they tied as a  
 royalty on my pats. A  
 percentage of the gross  
 proceeds as you will  
 know none of pats  
 of Mr Gray or <sup>any of our pats</sup> ~~any of our pats~~  
 used. The Bell Co of  
 Engd are playing same game  
 in Engd pirating Cash Tel  
 under name of 2 trans  
 but in our case we don't  
 use Bell's name. Hence  
 we are not in position  
 of pirates or amenable  
 to any of the results they  
 TAE

T. A. EDISON.

Menlo Park, N. J., \_\_\_\_\_ 18

Per  
I have been approached  
here on part of Mr  
Sanford <sup>or</sup> ~~Stamford~~ <sup>or</sup> ~~Stamford~~  
who is here from London for  
Bell to looking towards  
analogy of the ~~the~~ in Eng.  
I replied had not  
do with it if I had  
wouldn't consolate with  
pirate no matter how  
much money I might  
make that I at one  
time was using the Bell  
recor in ~~the~~ because I  
did not believe ~~was~~ valid  
but upon not ~~fact~~ Bell  
to that they consid. it an  
infringement of their pat  
I stop its use ~~entirely~~



L. A. EDISON

a sub. (note) <sup>planned</sup> free for  
any claims of it kind  
And as I had done  
the Egger thing I didn't  
propose as far as my  
int was concerned to  
consolidate with lot  
pirates

TAZ

Mr. A. L. Edison  
Copyright  
1914

6 Lombard St., London, E.C.  
December 24<sup>th</sup> 1879.

Very Important

T. A. Edison, Esq.  
Menlo Park.

R. J.

My dear Edison

~~The Telephone Construction Account~~  
In the great pressure of my District  
Company negotiations I omitted to confirm  
my cable transfer to you of the 13<sup>th</sup> inst. of  
£1000. This was made in response to your  
telegram to the Company for funds for  
Bergmann, the Directors having had some  
hesitation in sending further remittances  
until more instruments were shipped. It  
seems that White in his great pressure of  
business omitted to send out to Bergmann the  
proper contracts and to make proper banking  
arrangements for drawing, meanwhile I advanced  
you the £1000 and have been <sup>since</sup> reimbursed  
by the Company on my guaranteeing that the  
amount should be credited to ~~their~~ <sup>the</sup> con-  
struction account. This construction account  
should be straightened out at once - Please  
send a full statement of the account to  
date immediately you receive this. I have  
sent you now, first, £1000 and two  
payments of £500 each, one from the  
Company and one from me. You had  
better render all the accounts to me for  
settlement with the Company owing my  
advances. Let me know what amount of  
dollars (rates of exchange) were credited to you

by Drexelt for the two payments of £1000 each. As soon as the 500 telephones have been received I will settle the accounts with the Company for that number and fix the date of the six months option on remainder of London under clause of the original agreement.

I remain, my dear Sir

Yours truly  
H. M. M.

6 Lombard St London, E.C.  
December 24<sup>th</sup> 1899.

My dear Edison

Instruments for District and Foreign Companies. Do not overlook my request to invoice to me and not the London Company the second 500 telephones ordered by me personally, and which I design for use abroad on the formation of district companies in my own discretion and independently of the London Co. in connection with district companies. This is important because if I am not independent as regards instruments I make myself subordinate to the views of the management of the London Co. as to where telephones should be sent. My independence in this respect may be vital to the success of the District Company scheme especially so long as the demand exceeds the supply. Besides if I have to go to the company for the telephones I require for sending abroad to hold certain strategic points in the countries which we propose to occupy they may require me to pay them some percentage on them, which of course I wish to avoid. Those that come to me for use abroad I shall consider as merely in transit and this will not violate even the spirit of our agreement with the London Co.

I remain, my dear Sir,

Yours faithfully,  
J. H. Thompson

24<sup>th</sup> Dec 1877

Mento Park N. J.

My Dear Edison,

I have received the first  
payment of £2000 Advance  
Royalties from the Glasgow  
Company. It was paid on  
a cheque on Robert Hunter  
which had to be remitted for  
collection taking several days.

Under clause 14 of the Agreement of 11<sup>th</sup> July I have for your account paid the London Company 10 per cent of the £5000 (Of this one half £250 practically comes back to us although indirectly, by reason of our half interest in the Company)

Under the agreement with Johnson I have paid him 5 per cent of \$2000 being the net advance royalties to you and me.

Leaving one half of £4295 }  
your share of the Regalican  
But under the terms of the  
For the Supplemental Agreement  
the London Regalican in 1848  
the various Capital of the Regalican  
you are obliged to take Mr. L. and  
sincerely dedicated to your work of

| Dr     | Cr        |
|--------|-----------|
|        | 5000 .    |
| 500    |           |
| 235    |           |
| 6275   |           |
| 5000 . | 5000 .    |
|        | 2157 10 . |
| 1150   |           |

Glasgow Coy and debit you with  
£1000 your half share of same leaving  
a your credit cash balance of £1137:10:10  
I have today made a cable transfer of  
£1000 for your credit through Dresd Bank  
& Co. The shares will be placed with those  
held by the London Company.

Yours very truly  
J. M. M. M.

Copy of letter from 17 Morgate St. E.C.  
E.P.B. to G.P.O. Dec 24<sup>th</sup> 79.

Dear Sir: Mr White informs me that you have been having communications verbally, with Mr Preece with reference to the pending differences between the Edison Company and the G. P. O.

If this is the case let me say it is, I think, most undesirable that you should do so, as Mr Preece on the one hand and myself on the other have not authority to conclude anything in reference to such differences, and what falls from you may seriously prejudice any negotiations with the G. P. O. However far from your intention it may be that such should be the consequence.

As far as I can judge indirectly Mr Preece is not a very scrupulous gentleman and I am most unwilling that any more communication should be had with him than are absolutely necessary & then only on authority from the Board I am yours truly G. P. Bouvion

London Eng Decr 28/79.

My Dear Edison

A new issue has lately been raised in re to the P.O. controversy. We have just discovered that the P.O. Board were about closing an arrangement with the Bell Co by which the latter would have acquired the use of all the way leaves (right of way) - & other franchises of the P.O. - The Bell Co to pay them 10% of their revenues. This would have been a death blow to us.

The terms they offered us were 25% - of revenues - 100£ for each Central station and prohibition for connecting any two such stations.

White found this out. Reported to Bouverie. who instructed him to "Beard the lion in his den". He therefore took a witness. with him went to the P.O. and had the interview ~~the~~ recorded in the enclosed paper. You will see that a bold course was taken at once - and it has proven a wise one. The negotiations have been stopped and Bouverie is putting himself in communication with the P.M. General Lord John Manners. with whom he is on personal terms of intimacy. He says Manners will instantly



stop all such one sided bargains  
We shall see.

I asked White to give me a record  
of the days work. You will see  
in it another move - in this last  
I have not much confidence as  
it is merely the expression of  
the views of one of the Bell Directors.  
Still if we stop them from making  
a private & underhand arrangement  
with the P.O. - ~~and~~ also compel the  
P.O. to include the Bell Co in the  
suit for injunction they are  
bringing against us. Then I  
believe it is probable we may  
make an alliance with the Bell  
Co against the P.O. - If we do  
it will naturally lead to an  
amalgamation of some sort.

That is a matter which shall  
have to be handled very gingerly.  
I want to see the Patent Question  
settled first. Then we shall be  
in a position to negotiate.

The point to all this - is this -  
White & Brewster have quietly  
taken the P.O. by the throat and  
compelled them to drop the weapon  
with which they were about to  
strike us. Have in short made  
a sudden & bold stand.

All this was done without my  
knowledge. As soon as he  
found it out. He immediately

sent for Paine to come & lunch with him. Made some private arrangement with him - and then stepped into the Aereus & announced that he had put a stop to the proposed alliance until after the holidays - Bourne hearing that Giraud had been discussing the matter with a subordinate of the P.O. was very much incensed, and wrote the note which I enclose. Giraud's determination to step into the field opened up so skillfully by White is going to complicate matters very much and possibly thwart Bourne's <sup>in his</sup> bodder game - if he does there will be an open warfare between him & the London Board -

Bourne feels in so much that he told me that it must not go on that he considered Giraud's action seriously imperilled the issue - & that it would certainly if persisted in lead to an appeal to you to order him to step out of the matter.

I write this early & hastily to forewarn you for the next move. It may be an important one. There is some talk of the

41  
formation of a New Company  
by the All people with a  
Capital of 1,000,000 £ sterling  
- This looks like mischief - we  
may have to meet it by a like  
re-organization - so be prepared  
for anything.

Mr. Bourne & Mr. Waterhouse  
will unquestionably take means  
to rid themselves as far as  
possible of Gurnard. & it is just  
within the range of possibility  
that you may be called upon  
to nominate some other man  
Oil & Water will not mix - and  
G's methods are not those of  
the character of men who  
compose the Board of the  
London Company.

Not of any other company  
apparently as a bitter war  
is waging between him & the  
Glasgow Co now. of which I  
shall have more to say anon  
at present I am unable to  
"speak out" - You must be my man  
on this.

G. has paid you & I our share in the  
1st 5000 £ from the G. Co. because of  
this warfare - without deducting anything  
We will seek to deduct it in the  
next payment - But I will  
post you Money Yours  
J. H. Brown

MANAGER & SECRETARY,  
ARNOLD WHITE.

The Edison Telephone Company of London, Limited,  
Auction House Chambers,  
Room No. 113.

11, Queen Victoria Street, E.C. 4.  
London. 29<sup>th</sup> Dec 1879.

Thos A. Edison Esq  
Windsor Park N.Y.  
My Dear Edison

We are now collecting data with which to rebut  
the evidence of our opponents in the movement  
for Disclaimers which will shortly begin. Mr  
Waterhouse asks me to obtain from you the date  
at which you made your successive steps  
in the invention of the Carbon Transmitter. I presume  
you can give me the important dates so as to  
show that the Transmitter as now used was  
brought made before the Microphone was brought  
out. Also give me the exact date at which the  
first Carbon Transmitter was sent to this country  
and the date at which the first manufacture  
of the Plate Transmitter was made in America  
It is very important that we should have a  
telephone made under the Specification of the  
Patent of '77 by which I can show results as  
near as possible equivalent to those obtained  
from the Microphone Transmitters of the present

2

day. You have a lot of old ones no doubt but you could fix up in accordance with the Specification of such Patent and without introducing any subsequent changes so that I may be able to testify that such instrument was used to my knowledge at a date prior to the microphone publication. I also want a Telephone Receiver using paper instead of shell.

I wish you would give me your views upon the definition of the word <sup>pressure</sup> ~~pressure~~ Barton called upon me yesterday and told me that in conversing with various people of greater or less distinction he found that while they admit that the principle of the Carbon Telephone and the Microphone are identical they hold that your use of the word pressure and your arrangement of the thing in accordance with your idea of its action, and of Hughes use of the word contact and his arrangement of the thing in accordance with his idea of its action are sufficiently dissimilar to constitute them distinct inventions. You will readily see that if with one of your original instruments actually used prior to the microphone publication and constructed in accordance with the Specification of the 1877 Patent I can, no matter how audibly

37  
obtain microphone adjustment I will be able to show, whatever your theory may have been the principle was identical and the results substantiating the same. Please reply to this fully and promptly sending the necessary orders to establish the points at issue. You know the difficulties and what I necessarily labour in producing these things. Would it not be well for you to send me some authorization to obtain from Preece the original instruments brought over by Adams. If I could get them I might fix them up and they would have more weight of course than instruments sent from your Laboratory. We shall make an effort to obtain them but we may be met by Preece asserting proprietorship of these particular instruments. If we had your authority for applying for them we could of course counter such assertion.

Yours very truly  
E. J. Johnson

1879-12-29

The Edison Telephone Company of London Limited.  
Messrs. House Chambers,  
Rooms 27113, 11, Queen Victoria Street, E.C.

MANAGER & SECRETARY.  
ARNOLD WHITE.

London Dec 29<sup>th</sup> 1879

J. A. Edison Esq  
Menlo Park  
New Jersey

Dear Sir

Mr Bergmann

I beg to confirm my telegram of the 19<sup>th</sup> all as follows: "Company look Bergmann for supplies while instruments and prices are satisfactory." Mr Bergmann will understand from this that the company will be glad to extend to him their exclusive custom, so long as the quality of the work, and the prices charged continue satisfactory.

There

I also beg to confirm Mr Johnson's order for 10 miles of American Compound wire.

"Times" Clockwork

I ventured with some diffidence to urge upon you the great and vital importance to your interests and those of the company of completing "Times" Clockwork before the opening of the Session.

J. A. Edison Esq (2)

1879-12-29

4M? Spon early in February  
I am,

Dear Sir,  
Yours faithfully

Wm. Arnold

Secretary

*The Edison Telephone Company of London, Limited.*  
*Mansion House Chambers,*

*11, Queen Victoria Street, E.C. 4.*  
*London Dec 30 1879.*

My dear Batchelor/

There are quite a number of instruments coming with duplicate numbers. Those you mentioned are not the only ones. 558 shipped November 20<sup>th</sup> the second 558. November 29<sup>th</sup>. The left-hand instrument was duplicated again on November 29<sup>th</sup>. Other numbers have gone before which I need not recall, please watch these closely to avoid having these double numbers; please have the numbers of the instruments marked on the cases plainly with marking ink, so that it will not be necessary for us to open the cases to ascertain the number of the instruments, and exercise a little more care in marking the number upon the individual boxes within the case, all this frequently saves us the necessity of unpacking instruments.

Yours very truly

*E. H. Johnson*  
Chief Engineer



17, Monmouth Street,  
W.C.

London  
Ephraim  
hardy J.R.

Dec. 30. 79.

Sir - file

English Telephone

As we have been for

some months now, officially  
connected - you will not be surprised,

I trust, at my addressing you -  
although personally a stranger to  
you, on matters of business  
affecting our common interest.

You are, no doubt, well  
familiar with the general character  
of our proceedings, and the

Company of London was first got under weigh, nearly 18 months ago. There can be no doubt too, I think, that with a fair field - there is an enormous possible business in this new track which your genius has opened out, for the advantage of mankind. Apart from competition, of which I have little dread - we have two main troubles ahead - to which we must endeavour, as well as we can, to get rid of. The first is our difficulty with the P.O. Office authorities, who view with dread & jealousy any movement likely to supplant their monopoly of public telegraphic business. We shall have to fight the war - & I have a strong faith that

we shall pay them a beating. If <sup>we</sup> ~~the~~ <sup>they</sup> may try to advise Parliament. I suspect  
- they may try to advise Parliament. I suspect  
not to submit - but in this I hardly think they  
will succeed - & their only chance will be by paying  
us along price. If they win they will either  
have to buy us from plant up - or which  
I think more likely - they will have to  
make terms with us - for our payment  
of a Ragny to them - I expect, however,  
I expect to defeat them.

Then there is the second trouble - which  
is the patent & the dispute as to its validity.  
It is well of use to be aware of the fact  
otherwise we should lament that it was  
not more carefully drawn up here. By  
skilled English advisers before enactment.  
What we have to do now, is, by all  
the means in our power - to try to establish  
Hodges claim as we have asked to allow  
to make her to reduce the interests of

our <sup>circumstances</sup> as to make it perfectly  
defensible against all assailants.  
One additional advantage will be that ~~that~~  
we shall by the same stroke render our  
world position untenable & defensible.

My object, therefore, mainly, in  
thus writing to you - is to urge as strongly  
as I can that you should come on here  
to assist in our defence - or as <sup>preferred</sup>,  
that you present before the Attorney General,  
(who tries this point) & the fact of your  
being kept here in prison & undisturbed  
your right in & your personal explanation  
of your great discovery - would all very  
materially assist us in gaining our point.  
I cannot but think, therefore, that every  
pound of what is due to yourself & to us - you  
should make the if paid in spite of the numerous  
difficulties it may occasion you. I would to God you  
would hold yourself ready to start on receiving in  
able to that effect. I am, if you please, but  
Yours sincerely  
J. B. Souther

London Dec 3/79.

My Dear Edison <sup>for</sup>

Waterhouse wants to know more fully how to draw up a specification to cover your improvements in the Chalks. We are going to take out a Patent for Improvements. as W says it is just possible we may some day be compelled to rely upon it.

Do you use only water in the Chalks - you have not yet said so.

Giroud wants to open up a correspondence with Patent Solicitors from his office & take out the Patents in the various Countries you name - that way - says Johnson

is very high priced & said by  
some not to be reliable -  
Waterhouse on the contrary thinks  
he is the best.

What do you say?

At all events he will draw up  
the form - specifications -

Claims &c -

Let me know what to  
say about the checks

Truly Yours

Ed Johnson

Ed Johnson  
M.D.  
M.D.

MANAGER & SECRETARY.  
ARNOLD WHITE

*The Edison Telephone Company of London Limited*  
*Maritime House Chambers,*  
*Room 10113.*

*11, Queen Victoria Street, E.C.*  
*London December 31<sup>st</sup> 1879.*

T. A. Edison, Esq.

Menlo Park,

New Jersey, U. S. A.

Sir—

The question of the disclaimer of portions of your patent, has occupied for some time past the anxious attention of everyone concerned in the successful management of the Company.

After consulting the best lawyers on the subject, we were advised by them that the real contest with our rival would take place on the disclaimer, and that our antagonist would be virtually defeated if the Company were successful in cutting out superfluous portions of the Specification number 2909.

The first steps taken by our adversaries have proved the accuracy of this prophecy; and consequently every effort must necessarily be concentrated upon the case in its present stage.

The enclosed copy of letter from the Solicitors to the London Board will supply you with the legal reasons for desiring your presence in this Country.

In conveying to you the expression of the Directors' wishes in the matter, I am to state that nothing short of the sheer necessity of the case would induce Mr. Bouverie and his colleagues, to request you to lend to them and to the Share-

T. A. Edison Esq. (2)

holders, the aid of your temporary presence in England, knowing as they do, the great pressure upon your time and energy in other directions.

The clear intention of our rivals being indefinitely to prolong the proceedings before the Attorney General, nothing could defeat this so well as to be able to state that the inventor himself was in England for the express purpose of supporting the motion for a disclaimer.

The weight of your name, and the English love of fair play, would then go far to promptly secure a result, which without your assistance is not unlikely, otherwise, to be adverse to our common interest.

I am therefore to enquire whether you will, under the circumstances, set forth herein, comply with the strong desire of the Board, that you should visit England early in the year, for the purpose of supporting those, whose interests are inseparable from your own.

I am

Sir,

Your obedient servant.

Wm. M. M. M.  
Secretary.

S. BERGMANN,

No. 100 WOOSTER STREET,

MANUFACTURER OF

Hotel and House Annunciators and Electrical Apparatus of all kinds.

Edison's Inventions—Photographs, Telephones, Metographs, &c., &c.

NEW AND IMPROVED PRUD'HOMME BATTERIES A SPECIALTY.

New York, Dec. 31, 1879

My dear Mr. Forman:

Mr. Bergmann  
requests me to settle with you on some  
method of keeping the English affairs  
straight - I can not see any way  
of doing it as you folks do not  
take the Tels. until they bring 3  
weeks around your laboratory.

When you come in we can have  
an understanding about it -

I think it will be difficult work  
to fix it otherwise than we now do

Yours truly  
Robt. A. Forman



7  
a happy mean between the flat  
Bottom of your regular Carbon  
and the Point of the microphone  
which it should be your aim  
to reach. I will make my notion  
clear by Citing 2 facts close  
together -

1st  
The Flat Bottom possesses  
the property of Clear  
Articulation and strong  
Vocalization under  
a high vocal pressure

Muted

2nd  
The Sharper Point  
has the property  
of Clear & Natural  
Vocalization under  
low pressure

Muted

The Sensitiveness of  
the point without  
removing the "stop" to  
a complete break

The property of  
~~retaining its pressure~~  
quality when the  
vocal pressure  
is increased

Give either of these ~~you~~ the quality  
lacking and you advance the  
value of your Telephone to  
the point of complete annihilation  
of every other transmitter in  
existence - I am content with  
the receiver now - give me this  
improvement in the transmitter  
You can do it - I tried it  
myself at Bergmans - & got  
on the Bottom the sensitiveness

of the book - but I could not  
 keep the adjustment - you can  
 - do it - Don't think me  
 fault finding - it's your true  
 interest that I should be to you  
 To others I am the old enthusiast  
 you knew at home -  
 One little step more and you  
 make it easy for Goumard &  
 to make a clean 100,000 for  
 you in the next 6 months.  
 Induction - Bad Ears, falling  
 degree of moisture of Chalk -  
 Polarization of Transmuting  
 Batteries &c will pass & the  
 rear as serious matters when  
 you shall marry these two  
 Transmuters - When they pass  
 that way - you are ~~the~~ King  
 of Telephony beyond the  
 power of anything or anybody  
 Earthly to Contravene -

Tell Patch to fasten Inertia  
 Hammers down when packing  
 - the Carbon jumps out in almost  
 Every case & of course the  
 Spring is not benefitted thereby.  
 Please also fasten Induction  
 Coils more securely - come  
 off them come loose & break  
 the connections - Important

*Shall copy  
with a letter*

EDISON'S PATENTS  
FOR  
LOUD-SPEAKING TELEPHONES.

Heads of Provisional  
Agreement.

Printed by Sir Joseph Colman & Sons, London.

*£ 5000.- Received £5000 in full for the  
advance agreed to be paid me in and by  
Article 14 of the within Articles of Agreement  
on account of the payments provided for  
by clause 3 of the within Articles.*

*Edison Copy for  
Brown on 1/10/96*

# EDISON'S PATENTS FOR LOUD-SPEAKING TELEPHONES.

## Articles of Agreement

between THOMAS ALVA EDISON of Menlo Park New Jersey U.S.A. the Patentee and Owner of the Patents specified in the schedule hereto of the one part and the persons whose names appear at the foot hereof opposite the number of shares to be subscribed for by them in the Company hereinafter mentioned of the other part

1. The parties hereto of the second part will within two calendar months after the execution of this Agreement by the said Thomas Alva Edison form a Company to be registered under the Companies' Acts 1862 1867 and 1877 with liability limited by shares and to be called the Edison Telephone Company of London Limited or by such other name as they shall agree on for the purpose of purchasing and acquiring the said Patents and with such Memorandum and Articles of Association as shall contain nothing at variance with the provisions of this Agreement
2. The capital of the said Company shall be £200000 divided into 2000 shares of £100 each of which capital £20000 shall be first issued and shall be actually subscribed for within ten days after the formation of the Company with power to increase the capital beyond £200000 and with power to issue any part of the original capital other than the first issue of £20000 or any part of the increased capital with such preference or priority as may be thought desirable by the Company
3. The consideration to be paid by the Company to the said Thomas Alva Edison for the said Patents shall be a minimum royalty during the continuance of the said Patents of 20 per cent. of the gross rent or purchase money of each Telephone leased or sold by the Company (except to District Companies as hereinafter provided) or a sum equal to the amount of dividend actually divided among the Shareholders in any year whichever of these amounts shall be the greater but if in any year or years the royalty of 20 per cent. shall be greater than the amount of dividend actually divided among the Shareholders the excess shall in the first subsequent year or years in which the amount of dividend shall be greater than the royalty of 20 per cent. be deducted therefrom The royalty shall be paid on the usual quarter days and the excess (if any) payable in respect of the amount of dividend actually divided shall be paid as soon as may be after such dividend shall have been paid
4. The Company shall on the execution and delivery to it of the necessary assignment or assignments of the said Patents pay to the said Thomas Alva Edison by depositing with Messrs. Glyn Mills & Co. or with such other bankers in London as he shall direct in his name and on his behalf the sum of £5000 by way of advance on account of the payments contemplated in clause 3 No further sum shall be paid by the Company to the said Thomas Alva Edison until the said sum of £5000 with interest thereon or on such part thereof as on the 1st day of January in each year shall remain unpaid at the rate of £5 per cent. per annum shall have been equalled by the payments contemplated by clause 3 The Company shall also before the 31st December 1880 expend a further sum of £5000 in the purchase of Telephones laying down of Wires advertising salaries and office or other expenses, to be incurred in the development of the business of the Company
5. The Company shall be entitled without further payment to all extensions of the said patent rights and to all improvements upon the said inventions or the application of the same which may be made by the said Thomas Alva Edison during the continuance of the said patents
6. The said Thomas Alva Edison will subscribe for and the Company will on the first allotment of Shares allot to the said Thomas Alva Edison, one Share of £100
7. The first Directors of the Company shall not exceed seven in number. Of the Directors the said Thomas Alva Edison shall during the continuance of the said patent rights nominate one possessing the qualification required by the other Directors who shall be an ex-officio member of all executive Committees of the Board The Director so nominated may by a power of attorney appoint any other person possessing the said qualification to act as Director in his stead in case of his absence from the Meetings of the Board of Directors and the person so appointed shall in case of such absence have all the powers of the Director nominated by the said Thomas Alva Edison
8. The Director to be nominated by the said Thomas Alva Edison shall so long as the said patent rights continue appoint the Auditor of the Company or if there be two Auditors one shall be appointed by him and the other by the general body of Shareholders

9. The Director to be nominated by the said Thomas Alva Edison shall have an absolute right of veto upon the appointment of any person proposed for the post of General Manager of the Company and he shall have the power of summoning General Meetings of the Shareholders whenever he shall think fit

10. The said Thomas Alva Edison shall have in respect of the one share to be allotted to him as provided in clause 6 and so long as the payments contemplated by clause 3 are payable votes in person or by proxy equal to one-half of the aggregate votes of the other Shareholders for the time being ~~but this right shall be personal to the said Thomas Alva Edison and shall not extend to his executors administrators or assigns~~

11. It shall be lawful for the said Thomas Alva Edison to form or promote the formation of Joint Stock Companies in Great Britain for the purpose of working the said Patent Inventions and developing the use of Telephones and to receive royalties or other payments from such Companies such royalties or other payments being identical with those mentioned in clause 3 but no such Company shall be formed or supply Telephones except for and within a district or districts co-extensive with the limits of some Parliamentary borough or boroughs or of some of the Metropolitan Postal Districts other than and except the East Central Postal District Provided always that no such Company shall be formed for or within any of the said Metropolitan Postal Districts until after the expiration of six calendar months from the time when the said Thomas Alva Edison shall have delivered to the Company all the Telephones mentioned in clause 18 And further that if the Company shall desire to take any one or more or all of the said Metropolitan Postal Districts out of the operation of this clause the Company shall be entitled so to do on paying to the said Thomas Alva Edison before the expiration of the said six calendar months the further sum of £5000 by way of advanced royalty in respect of each Metropolitan Postal District so taken out of this clause Every such sum of £5000 shall be paid in the manner provided by clause 4 and all the provisions of that clause shall apply *mutatis mutandis* to every such further sum of £5000 in like manner as to the said original sum of £5000

12. In the event of the formation of any District Company under clause 11 the Company shall supply such District Company with all Telephones required by such District Company either upon lease or upon sale as the Company shall think fit but if the Company shall at the time of the formation of such District Company be selling Telephones for use in Great Britain the District Company shall have the right to purchase Telephones and the Company shall not either directly or indirectly supply any Telephones to any person or company within such district other than to the District Company The District Company shall also be bound to take over all Telephones actually leased within the District and to repay all expenses actually incurred within the District by the Company prior to the formation of the District Company

13. The price to be paid by any District Company for a Telephone under clause 12 shall be ascertained as follows If the Telephone shall not have been manufactured by the Company then in the case of sale the actual price at which the Telephone was supplied to the Company with an addition of 10 per cent profit and in the case of lease a rent equal for the first year to such actual price ~~and for every subsequent year to 10 per cent upon such actual price~~ or if the Telephone shall have been manufactured by the Company then in the case of sale the actual cost price for materials labour and carriage with an addition of 20 per cent profit and in the case of a lease a rent equal for the first year to such actual cost price ~~and for every subsequent year to 20 per cent upon such actual cost price~~

14. The Company shall be entitled to a sum equal to 10 per cent. of any royalty or other payment which the said Thomas Alva Edison shall receive from any such District Company

15. The Company shall if and so far as may be necessary grant licences to any such District Company and do and execute any further act or deed which may be required to give effect to the provisions of this Agreement with respect to District Companies but every such act or deed shall be at the expense of the District Companies

16. The Company shall by its Memorandum of Association take power to amalgamate with or acquire the business of any such District Company

17. The Company shall take over the Telephones and Wires <sup>which shall be in service at the time of the formation of the Company</sup> now in London the property of the said Thomas Alva Edison at cost price

18. The said Thomas Alva Edison will before the payment of the sum of £5000 mentioned in clause 4 supply 50 Telephones to the Company and will with all reasonable speed supply 450 further Telephones to the Company all such Telephones to be delivered

in London complete and ready for use and to be charged to the Company at cost price not exceeding £5 each

19. In order to prevent piracy and to secure a uniformity of model (the form of which shall be in all cases determined by the said Thomas Alva Edison so long as he lives and the said patent rights continue) the Telephones used or leased by the Company or sold by it shall be procured from such maker as the said Thomas Alva Edison shall designate. Provided always that the said Thomas Alva Edison shall not charge any royalty to such maker in respect of instruments supplied to the Company and that the price to be paid by the Company shall not exceed that at which similar instruments identical in quality both as to materials and results could be procured from other makers and that such price shall be subject to periodical revision and in case of difference the same shall be referred to arbitration

20. On the 1st of January next after the ceasing of the royalty payable to the said Thomas Alva Edison the Company shall pay to the said Thomas Alva Edison half the value of the goodwill of the then business of the Company as a going concern the value of such goodwill to be ascertained in case of difference by two arbitrators or their umpire. Provided always that instead of proceeding to arbitration for the purpose aforesaid it shall be in the option of the Company to liquidate and realise its assets and goodwill and that thereon after payment of all its liabilities and the return to the Shareholders of the amount paid up upon their shares one half of the surplus (if any) shall be paid over to the said Thomas Alva Edison

21. The said Thomas Alva Edison and the Company shall enter into and execute all such further deeds and agreements as may be necessary to give full effect to the provisions of these presents and any point in difference as to what shall be contained in such further deeds and agreements or in reference to the carrying out of any of the clauses of these presents shall be referred to the decision of two impartial persons to be appointed in the usual way and their umpire.

In Witness whereof the said parties hereto have hereunto set their hands and seals this day of 1879

#### THE SCHEDULE ABOVE REFERRED TO

No. 2909 "Improvements in instruments for controlling by sound the transmission of electric currents and the reproduction of corresponding sounds at a distance" Dated 30th July 1877

~~No. 1611 "Improvement in means for recording sounds and in reproducing such sounds from such record" Dated 24th April 1878~~

No. 2396 "Improvement in Telephones and apparatus employed in electric circuits" Dated 15th June 1878

N.B.—No. 2909 is sold subject to an exclusive licence to use that part of the Invention which relates to reproducing sounds called the Phonograph granted to GEORGE SWAN NOTTAGE and HOWARD JOHN KENNARD by Indenture dated the 22nd of March 1878

22. If the Company shall not be incorporated within the said period of 2 calendar months or if its memorandum or Articles of Association shall contain anything at variance with any of the provisions of the Agreement or if the first issue of capital of £200,000 shall not be actually subscribed for within the said period of 30 days then and in either of such cases this agreement and everything herein contained shall be void. 23. In the event of the Company being wound up otherwise than under clause 20 or for the purpose of a bona fide amalgamation with any other Company or Companies the said patents and patent right and all improvements (if any) upon the said invention or the application thereof shall as from the commencement of such winding up remain and absolutely belong to the said T. A. Edison his Executors administrators and assigns and the Company shall execute and perfect all documents necessary for effectually vesting the same in him or them accordingly

55. Not subscribed that on the 10th day of May 1879 before me a Notary Public duly appointed and for such county personally appeared the said Thomas Alva Edison and the said Company and they acknowledged to me the execution of the foregoing instrument and that the said Edison and the said Company intended to be bound by the same as their voluntary act and deed for the purpose of the said agreement.

PRIVATE AND CONFIDENTIAL.

EDISON'S  
LOUD-SPEAKING TELEPHONE.

---

Memorandum.

---

W. C. Cresswell & Co., Printers, Glasgow and London.

Private and Confidential.

## EDISON'S LOUD-SPEAKING TELEPHONE.

The Telephone which Mr. Edison has perfected in the course of this year differs radically from all previous instruments of the kind. Professor GRAHAM BELL's invention, hitherto the most widely used, includes a magnet and a coil, and the sound is transmitted along the wire, losing much of its force on the way. In Mr. Edison's instrument the voice is mechanically reproduced at the end of the wire, and the speaker is heard with a volume of tone and a distinctness equal to the original utterance.

The extent to which Telephony has been developed in the United States in the course of the last few months is almost inconceivable. In towns as large as Chicago or Philadelphia, or as small as Wilmington, what are known as Telephone Exchanges have been started, and have been taken up on a large scale. Subscribers to these Exchanges are placed in direct communication, *inter se*, and business is thus transacted with a rapidity and absence of friction which so recommends itself to the American public that the demand for telephonic communication is extending much more rapidly than the supply. Charter parties are arranged, details of bills of lading are negotiated, and other business transactions carried on through the Telephone, thus saving the expense of telegraphy on the one hand, or, on the other, the cumbrous and expensive machinery of clerks and messengers. In addition to these "Exchanges," it is obvious that the Telephone has a wide field of application in manufactories, warehouses, and on railways, as well as in the connection of villages and country houses with the nearest telegraph station.

The invention in use in America is of an earlier and less perfect type than that which is now available. On a comparison of the two, it is impossible to doubt that the new Loud-speaking Telephone will give the whole movement a great stimulus. From the amount of business already offered to the Company, and from estimates of receipts and expenditure based upon reliable data, the enterprise promises good returns on the capital invested.

An agreement has been arranged between Mr. EDISON and certain gentlemen in London whose names appear below, for the formation of a Company to acquire and work the invention. The fundamental principle of this Company lies in the absolute identity of interest between the inventor and the capitalists who have joined him. There are to be no bonus shares, no fictitious qualifications, and no purchase-money is to be paid to the inventor. He stipulates only for a royalty amounting to half net profits, and bases his expectation of remuneration entirely upon the result of the invention itself, simply requiring such an advance on account of this royalty as shall be a guarantee of the determination and ability of the intending Shareholders to introduce the invention effectively. On the basis of this agreement the Edison Telephone Company of London (Limited) was registered on the 2nd ultimo, with the following Board of Directors, viz.—Chairman, The Right Hon. E. P. BOUVENNE, Sir PHILIP WODKINSON, K.C.B., Viscount AXSON, Mr. WM. FOWLER (late M.P. for Cambridge), and Colonel GOURAUD (Mr. EDISON's representative in this country). Among



the other Shareholders may be mentioned Sir Jno. LUBBOCK, Sir JULIAN GOLDSMID, Mr. S. R. SCOTT (Chairman of the Stock exchange), Mr. ALFRED WATERHOUSE, A.R.A., LORD WALTER CAMPBELL, and the Solicitors both for the Company and for Mr. EDISON himself. The gentlemen above mentioned and a few others, have subscribed for 200 shares of £100 each, *i.e.*, £20,000, which is all that is required for the purpose of commencing operations in London.

The cost of the instruments is small, being considerably within the annual rent which it is proposed to charge (and which in America on the large scale above referred to is already charged) for their use.

No prospectus, addressed to the general public, has been, or will be issued, the nature of the invention and the small amount of capital required rendering this unnecessary.

The field of operations contemplated by the London Company is, absolutely, only London, and provisionally, the remainder of Great Britain; pending only the formation by Mr. EDISON of other Companies in the principal centres of population.

It is presently proposed to form the EDISON TELEPHONE COMPANY OF GLASGOW (Limited) upon relatively the same basis as the London Company, with the stipulation, however, that the defence of the validity of the Patents shall remain with the London Company, and that Company shall supply the requisite Telephones to the Glasgow Company at cost of production, a percentage being added to cover expenses connected therewith.

The capital of the Glasgow Company will be £100,000, in shares of £100 each; of which the first issue will be £20,000, £15,000 of which will be offered for private subscription in Glasgow. The remaining £5000 being reserved for subscription by members of the existing London Company. The directors will be selected from the Glasgow subscribers.

The proposed agreement between Mr. Edison and the Glasgow Company will be, *pari passu*, the same as that at present existing between Mr. Edison and the London Company, with such modifications as may be necessary to meet the altered circumstances, copies of which document, together with the Telephone in practical operation, can be seen at this office. Mr. EDISON's representative, Mr. G. E. GOURAUD, is at present in Glasgow, duly empowered to carry out the proposed arrangements.

W. B. HUGGINS & CO.,  
10 Bothwell Street.

1379. Telephone - Foreign - United Kingdom - Accounts (D-79-042) [not filmed]

This folder contains accounts, bills, receipts, and other routine financial documents relating to telephones produced for, and shipped to, Great Britain.

## **PUBLICATION AND MICROFILM COPYING RESTRICTIONS**

**Reel duplication of the whole or of any part of this film is prohibited. In lieu of transcripts, however, enlarged photocopies of selected items contained on these reels may be made in order to facilitate research.**

## **A Note on the Sources**

**The pages which have been  
filmed are the best copies  
available. Every technical  
effort possible has been  
made to ensure legibility.**

**52**

**END**

## FINANCIAL CONTRIBUTORS

### PRIVATE FOUNDATIONS

Alfred P. Sloan Foundation  
Charles Edison Fund  
The Hyde and Watson Foundation  
Geraldine R. Dodge Foundation

### PUBLIC FOUNDATIONS

National Science Foundation  
National Endowment for the Humanities

### PRIVATE CORPORATIONS AND INDIVIDUALS

Alabama Power Company  
Amerada Hess Corporation  
AT&T  
Atlantic Electric  
Association of Edison Illuminating  
Companies  
Battelle Memorial Institute Foundation  
The Boston Edison Foundation  
Cabot Corporation Foundation  
Carolina Power and Light Company  
Consolidated Edison Company of  
New York, Inc.  
Consumers Power Company  
Corning Glass Works Foundation  
Duke Power Company  
Exxon Corporation  
Florida Power & Light Company  
General Electric Foundation  
Gould Inc. Foundation  
Gulf States Utilities Company  
Idaho Power Company  
International Brotherhood of Electrical  
Workers  
Iowa Power and Light Company

Mr. and Mrs. Stanley H. Katz  
Matsushita Electric Industrial Co., Ltd.  
McGraw-Edison Company  
Middle South Services, Inc.  
Minnesota Power  
New Jersey Bell Telephone Company  
New York State Electric & Gas  
Corporation  
North American Phillips Corporation  
Philadelphia Electric Company  
Phillips International B.V.  
Public Service Electric and Gas  
Company  
RCA Corporation  
Robert Bosch GmbH  
San Diego Gas & Electric  
Savannah Electric and Power Company  
Schering Plough Foundation  
Texas Utilities Company  
Thomson-Brandt  
Transamerica Delaval Inc.  
Westinghouse Educational Foundation  
Wisconsin Public Service  
Corporation

### BOARD OF SPONSORS

Rutgers, The State University of  
New Jersey

Edward J. Bloustein  
T. Alexander Pond  
Tilden G. Edelstein  
John Gillis

New Jersey Historical Commission  
Bernard Bush  
Howard L. Green

National Park Service, Edison  
National Historic Site

Roy W. Weaver  
Edward J. Pershey  
Smithsonian Institution  
Bernard Finn  
Arthur P. Molella

### EDITORIAL ADVISORY BOARD

James Brittain, Georgia Institute of Technology  
Alfred D. Chandler, Jr., Harvard University  
Nell Harris, University of Chicago  
Thomas Parke Hughes, University of Pennsylvania  
Arthur Link, Princeton University  
Nathan Reingold, Smithsonian Institution  
Robert E. Schofield, Iowa State University

### CORPORATE ASSOCIATES

William C. Hittinger (chairman), RCA Corporation  
Edward J. Bloustein, Rutgers, The State University of N.J.  
Cees Bruynes, North American Phillips Corporation  
Paul J. Christiansen, Charles Edison Fund  
Philip F. Dietz, Westinghouse Electric Corporation  
Roland W. Schmitt, General Electric Corporation  
Harold W. Sonn, Public Service Electric and Gas Company  
Morris Tanenbaum, AT&T



**THOMAS A. EDISON PAPERS**

**Reese V. Jenkins**  
Director and Editor

**Thomas E. Jeffrey**  
Associate Director and Microfilm Editor

Assistant Editors  
**Paul B. Israel**  
**Robert A. Rosenberg**  
**Keith A. Nier**  
**Andrew Butrica**

Assistant to the Director  
**Helen Endick**

**Leonard DeGraaf**  
**Alan Stein**  
**Jacquelyn Miller**

Research Associates  
**Douglas G. Tarr**  
**Mary Ann Hellrigel**  
**David W. Hutchings**

Secretary  
**Grace Kurkowski**

**Student Assistants**

**Joseph P. Sullivan**  
**Karen Kozak**  
**Granville Miller**

**Thomas A. Edison Papers**  
at  
**Rutgers, The State University**  
endorsed by  
**National Historical Publications and Records Commission**  
18 June 1981

Copyright © 1987 by Rutgers, The State University

All rights reserved. No part of this publication including any portion of the guide and index or of the microfilm may be reproduced, stored in a retrieval system, or transmitted in any form by any means—graphic, electronic, mechanical, or chemical, including photocopying, recording or taping, or information storage and retrieval systems—without written permission of Rutgers, The State University, New Brunswick, New Jersey.

The original documents in this edition are from the archive at the Edison National Historic Site at West Orange, New Jersey.

# Thomas A Edison Papers

## A SELECTIVE MICROFILM EDITION

### PART II (1879-1886)

Thomas E. Jeffrey  
Microfilm Editor and Associate Director

Paul B. Israel  
Assistant Editor

Mary Ann Hellrigel  
David W. Hutchings

Douglas G. Tarr  
Robert A. Rosenberg

Editorial Associates

Leonard DeGraaf  
Joseph P. Sullivan  
Alan Stein  
Karen Kozak

John Deasey  
Barbara B. Tomblin  
Jacquelyn Miller  
Maria Antonakakis

Student Assistants

Keith A. Nier  
Assistant Editor

Reese V. Jenkins  
Director and Editor

#### Sponsors

Rutgers, The State University of New Jersey  
National Park Service, Edison National Historic Site  
New Jersey Historical Commission  
Smithsonian Institution

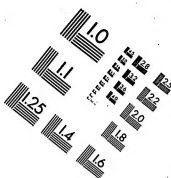
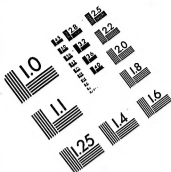
University Publications of America  
Frederick, Maryland  
1987

Edison signature used with permission of McGraw-Hill Company.



Association for  
Information and Image  
Management

MS303-1980



Centimeter



Inches

